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FORTY-EIGHTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON INSANE HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1903.



BOSTON :

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1904.

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mass.: northampton state hospital



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STATE DEPARTMENT OF EDUCATION
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STATE HOUSE, BOSTON

Officers of Govt.

APPROVED BY

THE STATE BOARD OF PUBLICATION.

MASS. STATE
TO
ATTORNEY GENERAL

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OFFICERS

OF THE

NORTHAMPTON INSANE HOSPITAL.

TRUSTEES.

SARAH A. WOODWORTH,	CHICOPEE.
CAROLINE A. YALE, .	. . . . .	NORTHAMPTON.
F. W. CHAPIN, M.D., .	. . . . .	SPRINGFIELD.
WILLIAM D. MACINNES, .	. . . . .	PITTSFIELD.
HENRY P. FIELD, .	. . . . .	NORTHAMPTON.
CHARLES S. SHATTUCK,	. . . . .	HATFIELD.
ALVAN BARRUS, .	. . . . .	GOSHEN.

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,	<i>Superintendent.</i>
HARRIET M. WILEY, M.D.,	<i>Assistant Physician.</i>
CHARLES H. DEAN, M.D.,	<i>Assistant Physician.</i>
ARTHUR B. MOULTON, M.D.,	<i>Assistant Physician.</i>
LEWIS F. BABBITT,	<i>Clerk.</i>
IDA A. PORTER,	<i>Matron.</i>
JOHN MERCIER,	<i>Farmer.</i>
GEORGE T. GILBERT,	<i>Engineer.</i>

TREASURER.

LEWIS F. BABBITT,	NORTHAMPTON.
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Office at the Hospital.

Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton Insane Hospital respectfully present the forty-eighth annual report of the business affairs of the hospital, referring to the reports of the superintendent and the treasurer for a more detailed account of affairs in their charge.

The new building intended as an infirmary for women and a home for the nurses has been nearly completed. As the appropriation was too small to finish it, considerable of the expenditure for that purpose has been from our income, consequently progress on the work has been slow. It is now, however, occupied by almost the full number of patients and nurses originally planned for. In locating this building it was found that it would be four stories high at the end farthest from the old hospital, owing to the conformation of the ground on which it stands. The plans were accordingly changed to include a ward on the ground floor in addition to the wards originally planned for, large enough to accommodate 25 patients, and in erecting the building the walls were left in such shape that this ward could be finished at little expense. The estimated cost of finishing this ward and of furnishing it for occupancy is \$3,500.

A new cow stable has been erected, to accommodate 70 milch cows in well-lighted and ventilated quarters, and as many steers, oxen and young stock on the floor below. A large addition to the barn has been made, containing milk room, wash room, silos, etc., and this has been equipped with a ten

horse-power motor and ensilage cutter. There are still some alterations to be made in the old barn, which will increase its storage capacity and facilitate the distribution of hay and grain in feeding the cattle.

The new boiler mentioned in our last report has been put in place, and about twenty feet has been added to the height of the boiler house chimney, to give more draught required by the new boiler.

An electric motor was placed in the laundry, thus doing away with a long belt and a long piece of shafting, and enabling either engine to operate all the machinery in use about the institution.

The Legislature of 1903 made appropriations of \$10,000 for making changes in our heating, ventilating and hot-water systems, which changes are now in progress; and of \$65,000 to erect a building to be used as an infirmary for men, to accommodate 100 persons. Plans for this building had been outlined and estimates of its cost had been obtained, from which it appeared doubtful if it could be built for less than \$70,000. The trustees so reported to the legislative committee before the appropriation was made. We have hesitated to undertake to build it for \$65,000, but the need for it is so urgent that we have decided to modify the plans so as to erect a building within the amount appropriated, if possible. None of the appropriation was for furnishings, therefore we shall ask the next Legislature for \$6,500 to be used for that purpose.

By referring to the superintendent's report, it may be seen that the number of patients the hospital is caring for is largely in excess of our accommodations, and that the overcrowding taxes the resources of the hospital to the utmost. This condition is likely to become worse, in spite of the increased accommodations afforded by the new building for women just completed and the one for men about to be built. The trustees feel that, in justice to the patients now here and to those who are soon to come, it is their duty to ask for means to erect other buildings; but they refrain from so doing, hoping that the new State Colony for the Insane will soon be able to take some of our patients.

The asphalt sidewalk from the hospital to the gate is in need

of extensive repairs, and considerable new walk is required; the estimated cost of this is \$1,000.

We feel that there is need of the telephones, electric clocks and night watchman's clocks which we asked for last year, and we renew our request for an appropriation to install them. Inasmuch as more stations will be needed than were required last year, on account of the new buildings, we shall ask for \$2,500 for this purpose.

A summary of the appropriations we shall ask for is as follows: to complete and furnish a ward for 25 women in the infirmary building, \$3,500; to furnish the infirmary for men, \$6,500; for sidewalks, \$1,000; for telephone, night watchman's clock and electric clock systems, \$2,500.

The treasurer's report shows the hospital to be in a satisfactory condition financially. The high prices of supplies and the increase in the number of employees has made the cost of maintenance larger than for many years. The past year the per capita cost was \$3.62 per week; but this includes considerable amounts that should not properly be charged to maintenance, such, for instance, as the cost of the new boiler and addition to the chimney, which were of the nature of new equipment, and also the cost of the beds, bedding, furniture, etc., required by every additional patient for many months past.

We are much pleased to record a gift of about \$500, by legacy, from a former patient, Mr. Fred B. Kelley of Greenfield, the income of which is to be used for the purchase of tobacco of the best quality and other luxuries not provided by the hospital, to be used for the sole benefit of patients in the hospital. Mr. Kelley took great interest in the hospital, and often said he should remember it in his will, and we shall be pleased to carry out the provisions of his will.

There is but one change in the medical staff to record, that of the first assistant physician, whose services terminated June 18, 1903. No successor has yet been appointed to the vacancy.

It is with sorrow that we record the death of a valued member of our Board, Mr. Morgan, who died Feb. 1, 1903. The following resolutions express our appreciation of him as an associate:—

Whereas, Death has removed from us Elisha Morgan, for many years a valuable and faithful member of the Board of Trustees of the Northampton Insane Hospital, we, his associates, desire to express and record our appreciation of his services to the hospital; therefore,

Resolved, That by the death of Mr. Morgan this hospital and its Board of Trustees has sustained a most serious loss. During all the years he was a member of this Board he freely and cheerfully gave to its affairs his time, experience and business ability. He was constant in his attendance at the meetings of the Board, eager to advance the prosperity of the hospital and to increase its facilities for doing good, and always solicitous for the welfare of its inmates. It is not too much to say that Mr. Morgan continually had the interests of this institution before him, and that a great measure of its success is due to his constant thought and untiring effort. He was a man of un-failing courtesy, a most gracious and winning associate, and the members of this Board feel in his death a deep sense of personal bereavement.

Mr. Charles S. Shattuck of Hatfield was appointed to fill the vacancy.

SARAH A. WOODWORTH.

CAROLINE A. YALE.

F. W. CHAPIN, M.D.

WILLIAM D. MACINNES.

HENRY P. FIELD.

CHARLES S. SHATTUCK.

ALVAN BARRUS.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Insane Hospital.

The superintendent respectfully submits the following report for the year ending Sept. 30, 1903.

On Oct. 1, 1902, there were 659 patients in the hospital; 257 cases were committed during the year and 1 was returned from elopement, thus making 917 cases cared for, — 77 more than last year; 225 cases were discharged, leaving 692 at the end of the official year. The daily average number was 657, which is 21 in excess of the daily average of last year, — an increase of 111 in five years.

Of those admitted, 197 had never been in any hospital for the insane, 51 had been here before and 9 had been in other hospitals.

The birthplaces of 106 were in this State. One hundred and sixty-one were born in the United States. Thirty-seven per cent. were of foreign birth, and the fathers and mothers of 67 per cent. were of foreign birth. Sixty-five per cent. of the admissions were from cities and large towns.

The probable causes of insanity in the cases admitted, so far as could be learned from the patients and from their relatives and friends, were, principally: heredity, which was either an immediate or a predisposing cause in 68 cases; intemperance, in 47 cases; senility, in 37 cases; gross brain lesion, cerebral hemorrhage, syphilis and epilepsy, in 23 cases; and causes dating from infancy or childhood, in 22 cases. In 41 cases we could not assign the cause with certainty, but probably in many of these some of the causes above mentioned were operative.

A majority of the patients admitted had an incurable form of mental disease. In 150 cases the disease had existed longer than a year.

The discharges for the year numbered 153; of these, 39 were discharged as recovered at the time of leaving the hospital, 36 as much improved, 37 as improved and 39 as not improved. Seven patients eloped and 65 died.

Of those who died, 50 per cent. were more than sixty years of age; 7 were over eighty years of age. The average length of hospital residence was a little over four years. In all but 7 cases the mental disease was of an incurable form. The greatest mortality was from paresis, 11 cases, with 9 from senility, 8 from cerebral hemorrhage and 6 from pulmonary tuberculosis. Fifteen of the deaths were of cases recently committed, most of whom were in a dying condition when brought to the hospital. Some of these were brought here to die. It seems pitiful that an old man or woman with but two or three weeks at most to live cannot be tolerated at home for the few remaining weeks of life.

There has been very little sickness of an acute nature this year. The decrease in the number of cases of malaria since 1900 has been remarkable. There had been but few cases of the disease in the hospital for many years prior to 1900. In that year there were 38 cases. In 1901 there were 15 cases, in 1902 10 cases and last year only 2 cases.

The medical work and the treatment of patients has been along the lines mentioned in our annual reports for several years. To build up physically and to furnish mental diversion by means of employment and amusement constitute the principal elements of treatment.

As usual, patients have in large numbers assisted in the work of the different departments. I regard work on the farm and grading and excavating as the best of all forms of employment for the men, because it is so simple that a large number can be employed, and because, of course, they are kept in the open air. Convalescents are much benefited by work in the shops, because they are likely to take special interest in anything in the process of construction.

For the entertainment and amusement of the patients frequent assemblies were held, averaging about three each week, which were attended by an average of 400 patients. There were frequent readings by some member of the staff, with

music by the choir ; and during the winter, from Thanksgiving till May, dances were held each week. The following entertainments were also given : October 6, Mr. and Mrs. Wheeler, musicale ; November 3, Mr. Bacon, musicale ; November 10, Mr. Taggart, songs and readings ; November 17, Mr. Lorrain, songs and reading ; December 6, Mr. Kendall, elocutionist ; December 22, Miss Keane, musicale ; December 25, Christmas tree ; January 6, Mr. Prescott, ventriloquism ; January 19, Misses Smith, Caldwell and Libby, reading, harp and whistling ; February 3, Mr. and Mrs. Eccles, songs and readings ; February 9, whist party ; February 16, stereopticon lecture ; February 24, Mr. Little, crayon artist ; March 3, Northampton Vocal Quartette, with Miss Bailey ; March 10, Mr. Brignati, legerdemain ; March 16, Dr. Moulton and nurses, concert ; March 18, Mrs. Childs and Miss Lord, musicale ; April 7, Mr. Thayer, phonograph entertainment ; May 25, whist party ; June 18, nurses and patients, play, " Maidens all Forlorn ; " June 29, whist party ; July 8, picnic on the lawn ; September 3, minstrel show, nurses and patients ; September 28, Mr. Prescott, ventriloquism ; September 30, whist party. Many patients attended the circus, agricultural fair and fireman's muster, and small parties went to Laurel Park and Mt. Tom. On each Sunday afternoon there was a religious service, conducted by one of the clergymen from Northampton or one of the neighboring towns.

The training school has had a successful year. The nurses have shown much interest in the class work and in the service. Two of our graduates, Miss Bedell and Miss Read, are superintendent of nurses and assistant superintendent, respectively. In addition to the routine ward work and clinical instruction at the bedside, the different classes had 92 recitations and 44 lectures. Misses Jennie Hart, Annie Murray and Adella Cox were graduated and received their diplomas in June, and the following will be graduated in a few weeks : Mrs. Mary Cook, Misses Maud Amsden, Clara Mill, Mary Mill, Eliza Shaw and Fannie Thorndyke.

There has been a great deal accomplished in the way of improvements and repairs. The most important and extensive work was the erection of the infirmary building for women.

Work on this building progressed slowly, because the amount appropriated by the Legislature was too small, and we had to finish it with our own resources, with our own force, assisted by patients. It is now occupied by 70 patients and 20 nurses. Removing the nurses from the old building will afford additional room there for 12 patients. The wards are much relieved by the change, but they are still overcrowded; 42 beds at present occupy day spaces, and many rooms intended for one patient are occupied by two.

The new boiler has been installed, and the chimney has had its top raised to one hundred and twenty feet in height. To do this latter the outside of the old top was first removed to the point where it began to flare, leaving the shell standing. The work was done without interfering with the fires under the boilers, shields of wood being raised ahead of the work to protect the masons. Patients helped in this work, making all the mortar used, and raising the bricks and mortar in buckets to the masons by means of rope and pulleys.

Patients have done a great deal of grading and excavating about the new cow stable, and the roadway between the horse stable and cold storage is being relocated by them. They have also, under direction of attendants, excavated a space thirty-five by forty feet and fifteen feet deep near the boiler house and coal bunkers. This will afford room for the hot-water and feed-water heaters, and additional storage for coal.

The season has not been a favorable one for the farm, especially for some of the garden crops, and the yield was somewhat below the average with most crops. The melon and onion crops were nearly total failures. There was, however, a large crop of hay, which would have been increased by about thirty tons more of second growth if the weather had been favorable for curing it. There was about half an average crop of potatoes. The yield of apples was 612 barrels, — about one-third the size of last year's crop; 420 barrels of these were put in cold storage. Since there is practically no loss from decay, the yield of apples and potatoes will be equivalent to some of the larger crops of previous years.

The cold storage has proven to be very successful; everything thus far put into it has kept well. We were able to keep

the large crop of apples of last year without loss, so that they were distributed in large quantities daily till the middle of August, in as fine condition as when they were picked. Butter, meat and eggs kept well. This year in April and May we put in 18,000 dozen eggs.

A very important question, likely to require the attention of your Board this coming year, is how to care for our constantly increasing number of patients. During the period of twenty years from 1872 to 1892 the population of the hospital varied but little, as the following table shows. In fact, the average daily number supported in 1873-74, 469, was the same as in the year 1891-92.

YEARS ENDING SEPTEMBER 30.	Number of Admissions.	Number of New Cases ad- mitted (First Admission).	Daily Average Number of Patients.	Whole Number of Patients.	Number of Discharges.	Number at End of Year.
1872, .	199	168	429	619	186	433
1873, .	181	158	437	614	181	433
1874, .	193	155	469	626	150	476
1875, .	153	123	475	629	150	476
1876, .	153	126	474	629	165	464
1877, .	139	110	476	603	128	475
1878, .	76	55	442	551	122	429
1879, .	106	83	437	535	93	442
1880, .	117	97	450	559	113	446
1881, .	123	97	452	569	106	463
1882, .	124	102	461	587	134	459
1883, .	142	117	467	606	137	469
1884, .	136	95	463	605	142	463
1885, .	136	99	476	599	123	476
1886, .	183	136	474	659	168	491
1887, .	148	119	479	639	170	469
1888, .	166	122	470	635	154	481
1889, .	155	113	469	636	190	446
1890, .	170	134	470	616	121	495
1891, .	141	118	457	636	183	453
1892, .	177	140	469	630	141	489
1893, .	169	129	480	658	178	480
1894, .	172	136	494	652	148	504
1895, .	201	169	526	705	159	546
1896, .	209	168	560	755	196	559
1897, .	182	147	544	741	218	522
1898, .	213	158	546	735	172	563
1899, .	220	176	563	783	193	590
1900, .	243	193	576	833	242	590
1901, .	206	164	603	797	178	618
1902, .	219	182	636	840	181	659
1903, .	257	206	657	917	225	692

Since 1892, however, there has been a steady increase in our daily average, till now we are caring for nearly 200 more than then. This increase comes from two sources. First, from the number of patients of each year's admissions who do not recover or get well enough to go home, and consequently remain here to swell the numbers remaining of each previous year's admissions. From 1870 to 1890 this increase from the natural movement of our hospital population was offset by the frequent transfer of patients to other State hospitals; but since 1892 there have been few transfers, consequently the relief to this hospital in this manner has been very slight. The second source of increase in our population is the large number of admissions, as shown in the above table. The district which this hospital serves has a population of about 72,000 more than it had ten years ago, which accounts in part for the increase in admissions, but the admissions number more in proportion to the population than they did ten years ago. I can only explain this growth by the tendency which we have noticed in the last few years to send to the hospital a class of patients who would have been kept at home not many years ago. However explained, the fact remains that more patients are coming than we can care for, and this condition is likely to get worse rather than better after next January, when the State assumes care of all who are now town patients.

The new infirmary for women has only partially relieved the wards for women from their overcrowded condition, and in the men's side there are already patients enough in excess of accommodations, sleeping on temporary beds in corridors and day spaces, to fill a building the size of the one we are about to erect.

If the State Colony for the Insane cannot relieve us soon, we shall have to make additional provision for patients of both sexes, either here or in a colony established as a part of this hospital, unless it should seem wise to establish a branch institution in one of the neighboring counties, as suggested in our report of last year. With the completion of the proposed infirmary for men we probably shall have reached the limits of our capacity to care for patients with our present heating, lighting and laundry equipment, and to increase our facilities in

these departments will require their removal from their present locations at great expense. In my opinion, it will not be advisable to add to the present hospital group, except possibly to build a small extension to the third halls on the wing for women, to be used as a dormitory for the women now sleeping on temporary beds in the day spaces of the upper, middle and lower third halls.

The affairs of the hospital have progressed quietly and smoothly. The degree of success attained in the operation of any institution depends largely upon the efficiency and faithfulness of the subordinate officers and employees, and I am pleased to express my appreciation of the co-operation of nearly every one employed here.

With an increase in the number of patients there is a corresponding increase in the number of employees. Our force has increased in ten years from an average of about 85 to an average of 135. The work is unattractive to some, and some are found to be unfit for the work; consequently, there are many changes, and the larger the force of employees the more changes there are. Still, at the end of the year half of our employees had been here longer than one year; 10 had been here from one to two years, 22 from two to five years, 11 from five to ten years, 7 from ten to twenty years, 4 from twenty to thirty years and 5 from thirty to thirty-six years.

Many of the friends of the hospital have given books, magazines, fruit and other articles for the benefit of the patients, which have been thoroughly appreciated. We have to thank for these gifts the following: Miss Julia B. Smith of Sunderland, articles for the Christmas tree; Miss M. A. Biggins of Springfield, Christmas packages for patients; Mrs. J. L. Egbert of Springfield, ornaments for the Christmas tree; Mrs. E. B. Dunn of Worcester, a ping pong set; Mrs. Putnam of Northampton, cards, magazines and papers; Miss Eastman of South Hadley, confectionery and pictures; Miss Foot of Springfield, confectionery; Mrs. W. T. Parker of Springfield, money for fruit; Dr. Crosier, money for fruit; Miss Jessie Orr of Adams, fruit; Mrs. Shurtleff of Springfield, a music box; Mr. Kellogg of Amherst, magazines; Mrs. Knowlton of Athol, magazines; Miss Gorham of Northampton, "Harper's Maga-

zine ;" Mrs. Ganong of Northampton, "Ladies' Home Journal ;" Miss Austin of Peterboro, N. H., "Harper's Weekly" and papers and magazines ; Miss Kingsley of Northampton, "The Outlook ;" Miss Butler of Northampton, fancy articles and materials for working ; Mr. S. E. Bridgman, papers and magazines ; Mr. Frank B. Sanborn of Concord, "Memoirs of Pliny Earle ;" the "Christian Register," "Our Dumb Animals" and "Berkshire County Eagle" have been regularly received.

JOHN A. HOUSTON.

DIETARY OF THE NORTHAMPTON INSANE HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about three hundred persons, and the second to those of somewhat over three hundred. In addition to these, about 140 quarts of egg and milk are taken through the wards between meals and at bed time, and distributed to the old, the feeble and the convalescent classes.]

BILL OF FARE No. 1.

BREAKFAST.

- Monday.* — Tea, coffee, oatmeal, broiled beefsteak or eggs, potatoes, warm rolls ("biscuit"), bread and butter.
- Tuesday.* — Tea, coffee, oatmeal, fried tripe,* potatoes, warm rolls, bread and butter.
- Wednesday.* — Tea, coffee, oatmeal, broiled beefsteak or eggs, potatoes and warm brown (rye and Indian) bread.
- Thursday.* — Tea, coffee, oatmeal, broiled beefsteak, potatoes, warm rolls, bread and butter.
- Friday.* — Tea, coffee, oatmeal, fried tripe,* potatoes, warm rolls, bread and butter.
- Saturday.* — Tea, coffee, oatmeal, either fried fish-balls or liver, meat hash, hot corn cake, bread and butter.
- Sunday.* — Tea, coffee, oatmeal, eggs, potatoes, warm rolls, bread and butter and fried Indian corn pudding.

DINNER.

- Monday.* — Roast beef, potatoes and one other vegetable,† bread and butter, boiled rice with syrup or sugar.
- Tuesday.* — Vegetable soup, roast or stewed veal,‡ potatoes and one other vegetable,† bread and butter and baked Indian pudding.
- Wednesday.* — Either fried or baked fresh fish or boiled mutton, potatoes and one other vegetable,† bread and butter and berry or apple pudding, with sauce.§
- Thursday.* — Vegetable soup, corned beef, potatoes and one other vegetable,† bread and butter and boiled suet pudding, with syrup.

* Tripe is replaced in winter by sausages, and in spring by fried ham and eggs, except in the season of shad, when that fish is given once each week instead of ham and eggs, and once instead of beefsteak.

† At least three vegetables during the summer.

‡ Substituted in winter by fresh pork ribs, roasted.

§ In spring, maple syrup is used as sauce for puddings.

Friday — Either boiled or roasted mutton* or stewed or roasted veal, potatoes and one other vegetable,† bread and butter, and tapioca pudding or raisin pudding of either rice, bread or cracker.

Saturday. — Baked beans, corned beef, potatoes and one other vegetable,‡ pickles, bread and butter, and baked bread pudding.

Sunday. — Stewed mutton, potatoes, warmed baked beans, pickles, bread and butter, and pies, the kind varying with the season.

SUPPER.

Monday. — Tea and bread, warm corn cake and butter, hard gingerbread and a relish.‡

Tuesday. — Tea, white bread, graham bread and butter, soft gingerbread and a relish in the warm season, substituted by buckwheat cakes in the cold season.

Wednesday. — Tea, bread and butter, pie (the kind varying with the season) and ginger snaps and a relish.

Thursday. — Tea, bread and butter, cookies and cheese.

Friday. — Tea, bread and butter, cake (the kind varying) and a relish.

Saturday — Tea, bread and butter, doughnuts and cheese.

Sunday. — Tea, bread and butter, cookies and ginger snaps and blanc-mange or corn starch.

Extra. — In the winter and spring months hulled corn at supper, once in two weeks, on Saturdays.

BILL OF FARE No. 2.

BREAKFAST.

Monday. — Coffee, oatmeal, boiled eggs, potatoes, and bread and butter.

Tuesday. — Coffee, oatmeal, cold roast beef, potatoes, and bread and butter.

Wednesday. — Coffee, oatmeal, meat stew or boiled eggs, potatoes, and warm rye and Indian corn brown bread and butter.

Thursday. — Coffee, oatmeal, pickled codfish cooked in milk, potatoes, and bread and butter.

Friday. — Coffee, oatmeal, cold corned beef or meat stew, potatoes, and bread and butter.

Saturday — Coffee, oatmeal, hash, either of meat or fish, and bread and butter.

Sunday. — Coffee, oatmeal, boiled eggs, potatoes, and bread and butter.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable,† boiled hominy with molasses and bread.

* Substituted by stewed oysters in winter and spring, with some kind of roasted meat for those who prefer it.

† At least three vegetables during the summer.

‡ This term, used for the want of a better, includes dried beef, berries, baked apples, apple sauce and canned fruits, all of which are supplied, and each according to the season.

Tuesday. — Vegetable soup, potatoes and one other vegetable,* baked Indian pudding† and bread.

Wednesday. — Boiled fresh fish with drawn-butter sauce, potatoes and one other vegetable,* boiled hasty pudding with molasses and bread.

Thursday. — Vegetable soup, potatoes, cabbage or some other vegetable,* boiled rice with molasses‡ and bread.

Friday. — Boiled codfish with drawn-butter sauce, potatoes, beets or some other vegetable, boiled hasty pudding with molasses and bread.

Saturday. — Hot baked beans, potatoes, baked Indian or bread pudding, pickles and bread.

Sunday. — Cold corned beef, potatoes, pies (the kind varying with the season) and bread.

SUPPER.

Monday. — Tea, bread and butter, and hard gingerbread.

Tuesday. — Tea, bread and butter, and soft gingerbread.

Wednesday. — Tea, bread and butter, cake or ginger snaps, and some kind of relish.

Thursday. — Tea, bread and butter, and cookies.

Friday. — Tea, bread and butter, and soft gingerbread.

Saturday. — Tea, bread and butter, cake or ginger snaps, sauce.

Sunday. — Tea, bread and butter, and cookies.

EXTRAS.

In the winter and spring months, hulled corn at supper on Saturdays.

In August and September these tables are furnished at supper with either berries, tomatoes or baked apples, as many as five times a week.

In eight halls, sauce of either fresh or dried apples is furnished four times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day and on Christmas, with vegetables, celery, cranberry sauce, pudding, pie and cider.

From four to five bushels of green sweet corn in the ear is consumed in its season, daily, with the exception of Sunday.

Strawberries, tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring, cowslips and dandelions are largely used as greens, and horse-radish as a condiment.

During eight months of the year, apples are distributed, daily, among the patients.

Beef tea, chicken broth, mutton broth, scalded milk, arrow-root gruel, oatmeal gruel, milk punch, cracked wheat, oatmeal porridge, dry toast, milk toast, toast with dropped egg and boiled eggs, for invalids and all who are not able to take the regular fare.

* At least three vegetables in the summer.

† All baked puddings for the whole household are made with milk.

‡ Maple syrup is furnished, in place of molasses, three or four times in the spring.

ARTICLES MADE IN SEWING ROOM.

Aprons,	192	Napkins,	258
Caps,	316	Pillow ticks,	132
Chemises,	192	Pillow cases,	1,290
Curtains,	108	Shirt waists,	17
Carpeting, yards,	22	Skirts,	182
Cloth bags,	100	Shirts,	793
Dresses,	353	Sheets,	1,532
Drawers,	131	Slings,	12
Hats trimmed,	46	Towels,	1,788
Holders,	425	Table cloths,	75
Mattress ticks,	188	Tray cloths,	19
Meat cloth,	1	Under waists,	15
Night gowns,	136	Articles repaired.	32,315

UPHOLSTERY DONE IN THE YEAR.

Hair mattresses made, new material,	90
Hair mattresses made, new ticks,	168
Hair mattresses made, old material,	187
Hair pillows made, new material,	64
Hair pillows made, new ticks,	40
Hair pillows made, old material,	172
Lounges upholstered,	12

AMOUNT OF PRESERVING DONE IN KITCHEN DEPARTMENT.

Preserves : —	Jelly : —
Cherries, quarts, 6	Apple, glasses, 36
Gooseberries, quarts, 24	Currant, glasses, 135
Grapes, quarts, 30	Grape, glasses, 16
Grapes, spiced, quarts, 10	Canned fruit : —
Plums, quarts, 60	Rhubarb, quarts, 200
Quince, quarts, 102	Pickles : —
Rhubarb, quarts, 25	Chow-chow, gallons, 14
Strawberries, quarts, 105	Cucumber, gallons, 24
	Cauliflower, gallons, 2
	Catchup, tomato, quarts, 10

FARM PRODUCTS.

Apples, crab, 1½ barrels,	\$3 00	Hay, second growth, 72	
Apples, 612 barrels, .	1,224 00	tons,	\$866 24
Asparagus, 34 bushels, .	64 00	Hay, bedding, 3 tons, .	24 39
Beef, 8,322 pounds, .	553 61	Ice, 500 tons,	500 00
Beets, 68 bushels, . . .	31 50	Lettuce, 179 bushels, .	179 00
Beets, sugar, 700 bushels,	21 00	Lumber, 38,720 feet, .	619 52
Beets, table, 180 bushels,	90 00	Milk, 57,130 gallons, .	11,426 00
Beans, string, 108		Onions, 64½ bushels, .	48 37
bushels,	54 00	Oats, green, 5 tons, .	52 95
Beans, shell, 61 bushels, .	30 50	Pears, 8 bushels, . . .	8 00
Beans, Lima, 103 bushels,	103 00	Pease, 146 bushels, . .	146 00
Broom corn, 800 pounds,	48 00	Parsley,	5 00
Broom corn seed, 60		Pigs, roast, 5,	10 00
bushels,	27 00	Pigs sold, 95,	275 05
Currants, 484 quarts, .	29 06	Pork, 22,146 pounds, .	1,862 07
Cabbage, 525 heads, .	26 25	Potatoes, 1,953 bushels, .	1,185 60
Cauliflower, 169 heads, .	13 52	Peppers, ½ bushel, . .	50
Carrots, 405 bushels, .	212 00	Posts, 125,	25 00
Cucumbers, 216 bushels,	108 00	Quince, 4 bushels, . .	5 00
Celery, 500 bunches, .	41 00	Radishes, 163 bushels, .	8 15
Calves sold, 37, . . .	157 00	Raspberries, 36 quarts, .	7 20
Cider, 1,240 gallons, .	124 00	Rhubarb, 43 bushels, .	32 25
Corn, 307 bushels, . .	153 50	Rye, 40 bushels, . . .	28 00
Corn, Indian, 100		Rye straw, 3 tons, . .	42 00
bushels,	60 00	Sage,	5 00
Chicken, 899 pounds, .	359 80	Spinach, 28 bushels, .	21 00
Citron, 1,000 pounds, .	10 00	Squash, winter, 10,900	
Ensilage, 244 tons, . .	854 00	pounds,	218 00
Eggs, 397 dozen, . . .	141 14	Squash, summer, 146	
Egg plant, 55,	2 75	bushels,	73 00
Hay, first growth, 310		Strawberries, 2,279	
tons,	4,652 00	quarts,	341 85

Swiss chard, 49 bushels,	\$24 50	Turnips, Swede, 545	
Tomatoes, 168½ bushels,	126 38	bushels, . . .	\$218 00
Turnips, English, 200		Veal, 948 pounds, . .	112 16
bushels, . . .	50 00	Wood, 49½ cords, . .	173 50
		Miscellaneous articles, .	15 50

Live stock belonging to the hospital : —

Cows,	73	Horses,	17
Heifers,	24	Colts,	5
Bulls,	3	Swine,	295
Yokes of oxen,	6	Fowls,	275

OFFICERS AND EMPLOYEES.

[Time employed, Sept. 30, 1903.]

NAMES.	Years.	Months.	Days.
John A. Houston, M.D., superintendent,	14	-	7
Harriet M. Wiley, M.D., assistant physician,	3	7	29
Charles H. Dean, M.D., assistant physician,	3	4	21
Arthur B. Moulton, M.D., assistant physician,	2	7	15
Lewis F. Babbitt, clerk and treasurer,	11	11	18
George T. Gilbert, engineer,	1	-	-
John Mercier, farmer,	36	2	-
Ida A. Porter, matron,	5	1	29
Robert H. Gallivan, superintendent of nurses,	30	5	12
Florence A. Bedell, superintendent of nurses,	3	9	5
Harriet O. Read, assistant superintendent of nurses,	3	5	25
Lucy A. Gilbert, clothes marker,	35	8	17
George N. Drury, steward,	6	-	-
Mattie G. Jones, secretary to superintendent,	10	2	11
William J. Moore, assistant steward,	6	11	3
Herbert W. Root, assistant steward,	4	4	22
Herbert E. Walker, baker,	5	6	18
Jay E. Cook, assistant baker,	4	7	-
Susan E. Warren, seamstress,	9	6	8
Edith Metcalf, assistant seamstress,	3	3	18
Charles E. Williams, laundryman,	6	-	29
Mary Riehl, laundress,	1	1	24
Jessie M. Onthank, laundress,	-	8	21
Fannie Cole, laundress,	-	5	25
Nellie Crafts, laundress,	-	1	14
Samuel L. Williams, nurse,	11	3	3
Robert A. Pike, nurse,	4	7	8
Fred D. Aldrich, nurse,	4	5	1
Charles Cox, nurse,	2	4	22
Collister F. Crafts, nurse,	-	10	3
Byron O. Smith, nurse,	-	5	4
Thomas C. Fickett, nurse,	-	4	17
Watson E. Smith, nurse,	-	3	27
Roy A. MacMillan, nurse,	-	3	23
LeRoy McKusick, nurse,	-	3	-
Isaac R. Doane, nurse,	-	3	11
Roy Lester, nurse,	-	3	8
William P. Brooks, nurse,	-	3	5
William Seavey, nurse,	-	1	11
James M. Lee, nurse,	-	1	19
James M. Campbell, nurse,	-	1	16
Gordon Converse, nurse,	-	1	14
Leslie B. Dickenson, nurse,	-	1	7
John H. Duncan, nurse,	-	1	2

NAMES.	Years.	Months.	Days.
Clarence Crosby, nurse,	—	1	1
Herbert M. O'Leary, nurse,	—	—	17
James Ryan, nurse,	—	—	17
Lemuel B. Wallace, nurse,	—	—	16
Charles N. Surles, nurse,	—	—	9
Henry H. Barlow, nurse,	—	—	7
Burton G. Fisk, nurse,	—	—	6
Albert A. Bond, nurse,	—	—	5
William S. Brown, nurse,	—	7	—
Fannie Thorndyke, nurse,	2	4	—
Mary E. Root, nurse,	2	5	16
Maud Amsden, nurse,	2	1	15
Eliza Shaw, nurse,	1	10	11
Katherine R. Maloney, nurse,	1	6	21
Mary T. Simmons, nurse,	1	2	23
Maud L. Wheeler, nurse,	1	1	27
Belle McLaurin, nurse,	1	—	17
Hannah B. Mann, nurse,	—	11	15
Mary Mill, nurse,	—	11	9
Clara Mill, nurse,	—	11	—
Angie B. Loud, nurse,	—	10	—
Alice E. Bedell, nurse,	—	9	28
Mary A. Sawyer, nurse,	—	7	—
Bertha M. Smith, nurse,	—	7	2
Mary A. Cook, nurse,	3	5	24
Janet E. Clark, nurse,	—	5	—
Winnie A. Martin, nurse,	—	5	5
Florence M. Hutt, nurse,	—	5	1
Daisy Colton, nurse,	—	5	24
Helena Donoghue, nurse,	—	4	28
Lulu Crosier, nurse,	—	1	28
Mabelle Lee, nurse,	—	1	19
Pamelia M. Saunders, nurse,	—	—	28
Janie McMillan, nurse,	—	—	9
Lucy Howatt, nurse,	—	—	9
Hazel Hayden, nurse,	—	—	3
Grace Andrews, nurse,	—	—	3
Edna C. Bennett, usher,	—	3	14
Bessie M. Jones, centre housework,	3	11	7
Eleanor Metcalf, centre housework,	—	5	24
Mary Depkin, employees' dining room,	—	2	8
Harriet Briggs, rear housework,	2	1	22
Maggie Tobin, cook,	—	11	19
Lillie Malick, cook,	—	1	26
Mary Curran, kitchen girl,	3	—	29
Harriet O'Connor, kitchen girl,	—	10	7
Nora Crohan, kitchen girl,	—	—	6
Walter D. Newton, assistant engineer,	3	8	16
Otis Osman, assistant engineer,	2	4	22
Curtis H. Cutler, fireman,	—	—	4
George W. Thorniley, florist,	10	5	11
Nicholas Reil, gardener,	26	8	8
Henry Mould, gardener,	5	4	10
Sifroi Belleville, carpenter,	32	3	29
Walter Tower, carpenter,	24	8	—

NAMES.	Years.	Months.	Days.
Alfred Parenteau, painter,	36	1	17
William G. Nicholls, painter,	1	—	9
Thomas P. Clair, plumber,	5	5	1
George W. Braman, assistant plumber,	14	10	7
Roscoe C. Tobin, assistant plumber,	—	10	28
David Mercier, coachman,	26	7	13
Henry M. Wilson, assistant farmer,	24	5	7
Xaviar Dion, farm laborer,	10	3	16
Charles Ulrich, farm laborer,	6	5	7
B. McNamara, farm laborer,	5	5	8
Benjamin W. Read, farm laborer,	3	11	—
Henry R. Eggleston, farm laborer,	1	3	27
Henry W. Fuller, farm laborer,	2	7	2
John C. Rubach, farm laborer,	1	—	18
Alexander Wylie, farm laborer,	—	6	—
James Dion, farm laborer,	—	5	—
John F. Upton, farm laborer,	—	1	5
Joseph Berube, farm laborer,	—	1	25
W. C. Streeter, farm laborer,	—	1	1
Wendell O. Kellogg, watchman,	—	8	25
Bernard Kilkenney, foreman,	5	1	12
William A. Burrows, mechanic,	—	1	22
Richard Ryan, mechanic,	—	1	9

LIST OF PERSONS REGULARLY EMPLOYED AT THE NORTHAMPTON INSANE HOSPITAL.

Superintendent and physician,	per year,	\$2,800 00
Female physician,	"	900 00
Assistant physician,	"	900 00
Assistant physician,	"	900 00
Treasurer and clerk,	"	1,800 00
Engineer, house rent and partial board,	"	1,100 00
Farmer,	"	780 00
Florist, without board,	"	700 00
Matron,	"	500 00
Superintendent of nurses,	per month,	50 00
Superintendent of nurses,	"	40 00
Assistant superintendent of nurses,	"	35 00
Secretary to the superintendent,	"	30 00
Seamstress,	"	25 00
Assistant seamstress,	"	18 00
Laundryman,	"	40 00
Laundresses (four),	"	\$14 00 to 16 00
Baker,	"	50 00
Assistant baker,	"	30 00
Steward, with partial board,	"	60 00
Assistant steward,	"	47 50
Assistant steward,	"	40 00
Nurses (men, twenty-eight),	"	\$21 00 to 33 00
Nurses (women, twenty-nine),	"	14 00 to 25 00
Usher,	"	14 00
Housemaids (three),	"	\$15 00 to 18 00
Waitress,	"	14 00
Cook,	"	25 00
Cook,	"	18 00
Kitchen girls (three),	"	\$14 00 to 16 00
Watchman,	"	25 00

Painter,	per month,	\$60 00
Painter,	"	50 00
Gardeners (two),	"	30 00
Assistant engineer,	"	45 00
Assistant engineer,	"	33 00
Fireman,	"	30 00
Coachman,	"	35 00
Farm laborers (fourteen),	"	\$21 00 to 35 00
Carpenter,	per day,	2 25
Carpenter,	"	2 00
Plumber,	"	3 00
Assistant plumber,	"	1 75
Assistant plumber,	per month,	30 00
Foreman,	per day,	1 75
Mechanic,	"	3 00
Mechanic,	"	1 75

TREASURER'S REPORT.

To the Trustees of the Northampton Insane Hospital.

I respectfully submit the following report of the finances of this institution for the year ending Sept. 30, 1903 : —

ASSETS.

Five hundred and five acres of land,	\$53,400 00
Hospital building,	480,000 00
Women's infirmary,	55,000 00
Farmhouse,	1,500 00
Brick house,	1,700 00
Three dwellings,	2,000 00
Storehouse, shops and cold storage,	30,000 00
Two barns,	4,000 00
Horse stable,	6,000 00
Cow stable,	12,000 00
Piggery,	3,000 00
Lumber house,	850 00
Cart shed,	400 00
Pump house,	500 00
Two ice houses,	300 00
Fire-proof house for oils and paints,	500 00
	\$651,150 00

PERSONAL ESTATE.

Stocks and supplies as per inventory,	\$94,995 92
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RECEIPTS.

Applicable to maintenance : —

All appropriations,	\$22,990 00
Amount credited through State Board of Insanity,	274 10
Received from cities and towns,	78,252 00
Received from individuals,	27,598 64
Received from soldiers' relief,	677 84
Received from sales,	2,229 73
Received from interest on bank balance,	143 26
Cash on hand Sept. 30, 1902,	1,586 79
Total maintenance fund,	\$133,752 36
<i>Amount carried forward,</i>	\$133,752 36

Amount brought forward, \$133,752 36

All other sources :—

From State Treasurer on account of special appropriations, . . . 38,289 48

Total receipts, \$172,041 84

PAYMENTS.

Expenditures for maintenance :—

Salaries, wages and labor, \$43,709 18

Food :—

Butter,	\$7,214 92
Beans,	358 42
Bread and crackers,	1,027 26
Cereals, rice, meal, etc.,	780 56
Cheese,	117 53
Eggs,	4,237 17
Flour,	3,533 00
Fish,	1,699 07
Fruit,	970 07
Meats,	8,032 84
Milk,	344 25
Molasses,	168 34
Sugar,	2,470 14
Tea, coffee, broma and cocoa,	1,106 86
Vegetables,	323 00
Sundries,	773 08

33,156 45

Clothing and clothing material :—

Boots, shoes and rubbers,	\$800 89
Clothing,	1,565 70
Dry goods for clothing and small wares,	2,225 89
Furnishing goods,	49 60
Hats and caps,	47 00
Sundries,	17 50

4,706 58

Furnishings :—

Beds, bedding, table linen, etc.,	\$2,721 32
Brushes, brooms, etc.,	55 00
Crockery, glass ware, cutlery, etc.,	976 01
Furniture and upholstery,	419 00
Kitchen furnishings,	71 62
Wooden ware, buckets, pails, etc.,	5 64
Sundries,	206 60

4,455 19

Amount carried forward, \$86,027 40

Amount brought forward, \$86,027 40

Heat, light and power:—

Fuel,	\$11,717 76
Gas,	82 90
Oil,	194 55
Sundries,	54 02

12,049 23

Repairs and improvements:—

Bricks,	\$228 99
Cement, lime and plaster,	415 45
Doors, sashes, etc.,	36 05
Electrical work and supplies,	99 68
Hardware,	526 60
Lumber,	405 94
Machinery, etc.,	1,544 16
Paints, oils, glass, etc.,	771 42
Plumbing, steamfitting and supplies,	1,547 73
Roofing and material,	190 80
Mechanics and laborers (not on pay roll),	720 01
Sundries,	892 36

7,379 19

Farm, stable and grounds:—

Blacksmith and supplies,	\$305 54
Carriages, wagons and repairs,	28 05
Fertilizers, vines, seeds, etc.,	1,093 56
Hay, grain, etc.,	6,176 50
Harness and repairs,	127 57
Horses,	401 05
Cows,	60 00
Other live stock,	550 30
Labor (not on pay roll),	6 00
Rent,	51 13
Tools, farm machines, etc.,	559 86
Sundries,	174 06

9,533 62

Miscellaneous:—

Books, periodicals, etc.,	\$218 88
Chapel services and entertainments,	708 00
Freight, express and transportation,	881 18
Funeral expenses,	17 70
Hose, etc.,	96 50
Medicines and hospital supplies,	807 20
Medical attendance, nurses, etc. (extra),	117 00
Postage,	214 44
Printing and printing supplies,	105 93
Return of runaways,	35 74
Soap and laundry supplies,	871 29

Amounts carried forward, \$4,073 86 \$114,989 44

<i>Amounts brought forward,</i>	\$4,073 86	\$114,989 44
Stationery and office supplies,	263 09	
Travel and expenses (official),	508 13	
Telephone and telegraph,	279 49	
Tobacco,	428 59	
Water (average price per 1,000 gallons \$0.06),	2,970 66	
Sundries,	591 72	
	<hr/>	9,115 54
Total,		\$124,104 98

Expenditures for all other purposes: —

Acts 1901, chapter 471, for construction of infirmary, barn and sewerage,	\$37,831 32	
Acts 1903, chapter 414, for construction of infirmary and change of heating plant,	458 16	
Total,	<hr/>	38,289 48
Total expenditures,		\$162,394 46
During the year the average number of patients has been 657.		
Dividing the total expenditures for maintenance (\$124,104.98)		
by the average number gives an annual cost of		\$188 89
Equivalent to an average weekly cost of		3 62

RESOURCES AND LIABILITIES.

Resources.

Applicable to maintenance: —

Cash on hand October 1, payable to State Treasurer,	\$1,906 50
Balance of receipts and maintenance appropriations, with State Treasurer,	4,746 68
Bills due from cities and towns for support of patients,	20,476 03
Bills due from individuals for support of patients,	9,621 89
Bills due from soldiers' relief for support of patients,	297 59
Total,	<hr/> \$37,048 69

Not applicable to maintenance: —

Total unexpended special appropriations,	77,035 72
Total resources,	<hr/> \$114,084 41

Liabilities.

On account of maintenance: —

Salaries, wages and labor,	\$3,613 61
Food,	2,163 93
Clothing and clothing material,	24 00
Furnishings,	32 22
Heat, light and power,	1,506 32
<i>Amount carried forward,</i>	<hr/> \$7,340 08

<i>Amount brought forward,</i>		\$7,340 08
Repairs and improvements,		762 24
Farm, stable and grounds,		756 02
Miscellaneous,		1,081 23
Total,		<u>\$9,939 57</u>

Not on account of maintenance:—

Bills due on account of special appropriations,		3,856 29
Total liabilities,		<u>\$13,795 86</u>

Balance for the institution:—

On account of maintenance,		\$27,109 12
On account of special appropriations,		73,179 43
On account of current income and special appropriations,		100,288 55

CASH ACCOUNT.

Dr.

To cash on hand Oct. 1, 1902,		\$1,586 79
Since drawn from State Treasurer,		162,494 46
From sales,		2,229 73
From all other sources, payable to State Treasurer,		106,671 74
From loan,		4,200 00
Total,		<u>\$277,182 72</u>

Cr.

By cash paid to State Treasurer,		\$108,681 76
for salaries, wages and labor,		43,709 18
for food,		33,156 45
for clothing and materials,		4,706 58
for furnishings,		4,455 19
for heat, light and power,		12,049 23
for repairs and improvements,		7,379 19
for farm, stable and grounds,		9,533 62
for miscellaneous,		9,115 54
for special appropriations,		38,289 48
for loan,		4,200 00
By cash on hand Sept. 30, 1903,		1,906 50
		<u>\$277,182 72</u>

LEWIS F. BABBITT,

Treasurer.

We have examined, as auditors, the accounts of the treasurer, and found a satisfactory voucher for every entry.

ALVAN BARRUS.
HENRY P. FIELD.

SUPPLEMENTARY STATEMENT
RELATING TO SPECIAL APPROPRIATIONS.

OBJECT.	Resolve.	Whole Amount.	Patients and Nurses.	Farm, Stable and Grounds.	Total.	Repairs and Improve-ments.	Total.	Expended to Date.	Balance at End of the Year.
Infirmry, b a r n and sewerage, . Infirmry, altering heating plant, .	Acts 1901, chap-ter 471, . . .	\$74,000 00	\$25,462 46	\$12,368 86	\$37,831 32	-	\$37,831 32	\$71,506 12	\$2,493 88
	Acts 1903, chap-ter 414, . . .	75,000 00	-	-	-	\$458 16	458 16	458 16	74,541 84

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1903.

Live stock on farm,	\$11,094 94
Produce of farm on hand,	11,441 50
Carriages and agricultural implements,	3,200 00
Machinery and mechanical fixtures,	17,750 00
Beds and bedding in inmates' department,	15,000 00
Other furniture in inmates' department,	9,000 00
Personal property of State in superintendent's department,*	10,000 00
Ready-made clothing,	1,456 27
Dry goods,	2,612 96
Provisions and groceries,	5,901 99
Drugs and medicines,	550 00
Fuel,	3,872 80
Library,	1,250 00
Other supplies undistributed,	1,865 46
	<hr/>
	\$94,995 92

* This term is here applied to the whole of the central edifice or block, and includes all the offices, the kitchen, the bakery, the sewing room and other departments.

STATISTICAL TABLES.

[FORM PRESCRIBED BY STATE BOARD OF INSANITY.]

STATISTICAL TABLES.

1. — General Statistics of the Year.

	Males.	Females.	Totals.
Patients in the hospital Oct 1, 1902,	347	312	659
Admitted within the year,	122	135	257
Returned from elopement,	1	—	1
Whole number of cases within the year, . .	470	447	917
Viz : insane,	119	132	252
voluntary,	3	3	6
Discharged within the year,	81	72	153
Viz.: as recovered at the time of leaving the hospital,	22	17	39
as much improved,	16	19	35
as improved,	16	22	38
as not improved,	26	13	39
voluntary,	1	1	2
Eloped,	6	1	7
Deaths,	37	28	65
Patients remaining Sept. 30, 1903,	346	346	692
Viz.: supported as State patients,	54	46	100
town patients,	244	243	487
private patients,	48	57	105
Number of different persons within the year, .	468	445	913
Persons admitted,	121	135	256
Persons recovered,	21	17	38
Daily average number of patients,	336	321	657
Viz.: State,	53	44	97
town,	238	227	465
private,	46	50	96

2. — *Monthly Admissions, Discharges and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES.			DEATHS.			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1902.												
October, .	10	12	22	8	8	16	3	-	3	342.677	312.903	655.580
November, .	6	3	9	11	11	22	6	1	7	338.400	310.400	648.800
December, .	11	10	21	6	3	9	2	4	6	333.580	308.193	641.774
1903.												
January, .	14	12	26	5	3	8	4	4	8	338.806	314.774	653.580
February, .	7	10	17	4	6	10	4	2	6	341.178	316.464	657.642
March, .	7	14	21	10	11	21	1	2	3	334.806	317.354	652.160
April, .	12	13	25	7	4	11	4	1	5	334.100	320.566	654.666
May, .	6	9	15	5	8	13	2	3	5	332.064	325.190	657.250
June, .	11	12	23	10	9	19	1	1	2	329.833	322.733	652.566
July, .	14	12	26	7	4	11	3	2	5	334.580	330.610	665.190
August, .	8	5	13	2	2	4	4	3	7	337.645	331.774	669.419
September, .	16	23	39	6	3	9	3	5	8	340.500	339.200	679.700
Total of cases, .	122	135	257	81	72	153	37	28	65	-	-	-
Total of persons, .	121	135	256	80	72	152	-	-	-	-	-	-
Daily average, .	-	-	-	-	-	-	-	-	-	336.514	320.846	657.360

3. — *Received on First and Subsequent Admissions.*

NUMBER OF ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	99	107	206	—	—	—
Second,	17	16	33	7	6	13
Third,	2	9	11	—	4	4
Fourth,	3	—	3	1	—	1
Fifth,	—	2	2	—	1	1
Sixth,	—	1	1	—	—	—
Seventh,	1	—	1	1	—	1
Total of cases, . . .	122	135	257	9	11	20
Total of persons, . .	121	135	256	—	—	—

4. — *Relations to Hospitals of Persons admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital for insane, . .	95	102	197
Former inmates of this hospital only, . .	21	28	49
of other hospitals only,	4	5	9
of this and other hospitals,	2	—	2
Total of cases,	122	135	257
Total of persons,	121	135	256

5. — *Nativity and Parentage of Persons admitted.*

PLACES OF NATIVITY.	PATIENTS.			PARENTS.					
				MALES.		FEMALES.		TOTALS.	
	Ma.	Fe.	Tot.	Fa.	Mo.	Fa.	Mo.	Fa.	Mo.
Massachusetts, .	52	54	106	29	28	21	21	50	49
Other States, .	25	30	55	19	21	20	21	39	42
Total native, .	77	84	161	48	49	41	42	89	91
Austria, . . .	—	4	4	—	—	3	4	3	4
Armenia, . . .	1	—	1	1	1	—	—	1	1
Bulgaria, . . .	1	—	1	2	1	—	—	2	1
Canada, . . .	16	8	24	18	19	11	11	29	30
England, . . .	2	5	7	3	3	12	8	15	11
France, . . .	2	—	2	2	2	—	—	2	2
Germany, . . .	2	2	4	4	4	5	4	9	8
Hungary, . . .	1	—	1	1	1	—	—	1	1
Ireland, . . .	11	25	36	30	29	52	55	82	84
Italy, . . .	1	1	2	1	1	1	1	2	2
Poland, . . .	1	—	1	1	1	—	—	1	1
Russia, . . .	4	2	6	4	4	2	2	6	6
Scotland, . . .	2	4	6	3	2	4	4	7	6
Total foreign, .	44	51	95	70	68	90	89	160	157
Unknown, . . .	—	—	—	3	4	4	4	7	8
Totals, . . .	121	135	256	121	121	135	135	256	256

6. — *Residence of Persons admitted.*

PLACES.	Males.	Females.	Totals.
Hampshire County,	21	32	53
Hampden County,	60	69	129
Berkshire County,	28	19	47
Franklin County,	11	14	25
Suffolk County,	—	1	1
Middlesex County,	1	—	1
Totals,	121	135	256
Cities and towns,	80	85	165
Country districts,	41	50	91
Totals,	121	135	256

7. — *Civil Condition of Persons admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED			MARRIED.			WIDOWED.			DIVORCED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	42	51	93	49	37	86	8	19	27	—	—	—	99	107	206
Second,	7	6	13	10	8	18	—	2	2	—	—	—	17	16	33
Third,	2	4	6	—	4	4	—	1	1	—	—	—	2	9	11
Fourth,	2	—	2	1	—	1	—	—	—	—	—	—	3	—	3
Fifth,	—	1	1	—	1	1	—	—	—	—	—	—	—	2	2
Sixth,	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1
Seventh,	—	—	—	1	—	1	—	—	—	—	—	—	1	—	1
Total of cases,	53	63	116	61	50	111	8	22	30	—	—	—	122	135	257
Total of persons,	53	63	116	60	50	110	8	22	30	—	—	—	121	135	256

8. — *Occupation of Persons admitted.*

MALES.

Blacksmith,	1	Millwright,	1
Barbers,	2	Mechanic,	1
Bleacher,	1	Moulders,	2
Cab driver,	1	Mason tender,	1
Carpenters,	5	Merchant,	1
Canvasser,	1	Operatives,	11
Clerks,	4	Plumber,	1
Cooks,	3	Printers,	3
Electrotyper,	1	Photographer,	1
Farmers,	12	Paper makers,	2
Brakeman,	1	Physicians,	4
Gun maker,	1	Stone cutter,	1
Gardener,	1	Shoemakers,	6
Hotel keeper,	1	Tinsmith,	1
Lather,	1	Teamster,	1
Laborers,	29	Tailors,	2
Lawyer,	1	Whipmaker,	1
Machinists,	5	Waiter,	1
Motormen,	2	No occupation,	7

FEMALES.

Cooks,	3	Milliner,	1
Clerk,	1	Nurse,	1
Corset maker,	1	Operatives,	19
Domestics,	20	Saleswomen,	3
Dressmakers,	2	Teacher,	1
Housekeepers,	8	Waitress,	1
Housewives,	4	No occupation,	33
Laundress,	1		

WIFE OF —

Agent,	1	Meat cutter,	1
Carpenter,	3	Operative,	5
Express messenger,	1	Porter,	1
Engineer,	1	Plumber,	1
Draughtsman,	1	Salesman,	1
Farmer,	6	Tailor,	1
Grocer,	1	Veterinary,	1
Laborer,	9	Wood worker,	2

9.—*Probable Causes of Disease in Persons admitted.*

CAUSES.	PATIENTS ADMITTED.			PREDISPOSING CAUSES.								
	Males.	Females.	Totals.	PREVIOUS ATTACKS.			HEREDITARY TENDENCY.			NEUROTIC TENDENCY.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A.—Insane:—												
Cerebral hemorrhage,	2	4	6	—	—	—	—	—	—	—	—	—
Cerebral meningitis,	—	1	1	—	—	—	—	—	—	—	—	—
Congenital,	13	9	22	—	—	—	4	2	6	1	—	1
Drug habits,	4	—	4	—	—	—	1	—	1	—	—	—
Epilepsy,	5	1	6	—	—	—	2	1	3	—	—	—
Grief,	—	1	1	—	1	1	—	—	—	1	—	1
Heat prostration,	—	1	1	—	—	—	—	—	—	—	—	—
Heredity,	12	29	41	1	1	2	12	29	41	—	1	1
Heredity and intemperance,	—	4	4	—	—	—	—	4	4	—	4	4
Heredity and menopause,	—	5	5	—	—	—	—	5	5	—	—	—
Heredity and puerperium,	—	1	1	—	—	—	—	1	1	—	—	—
Injury to head,	2	1	3	—	—	—	—	—	—	—	—	—
Intemperance,	33	8	41	3	1	4	1	1	2	—	8	41

9. — Probable Causes of Disease in Persons admitted — Concluded.

CAUSES.	PATIENTS. ADMITTED.			PREDISPOSING CAUSES.														
	Males.	Females.	Totals.	PREVIOUS ATTACKS.			HEREDITARY TENDENCY.			NEUROTIC TENDENCY.			INTERFERENCE.					
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.						
A. — Insane : — Con.																		
Lactation,	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Masturbation,	3	8	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Menopause,	—	12	12	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Puerperium,	—	7	7	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
Senility,	9	17	26	—	—	—	1	—	1	—	—	—	—	—	—	1	—	1
Senility and menopause,	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Syphilis,	8	3	11	—	—	—	1	1	2	—	—	—	—	—	—	—	—	—
Unknown,	25	16	41	3	1	4	1	—	1	2	—	2	1	—	—	1	1	1
B. — Habitual drunkard,	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
C. — Morphine habit,	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
D. — Voluntary,	2	3	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	121	135	256	7	5	12	23	45	68	3	2	5	35	13	48			

10. — Record of Cases admitted within the Year.

PATIENTS.	Males.	Females.	Totals.
Admitted,	122	135	257
Insane,	119	132	251
Voluntary,	3	3	6
Discharged recovered,	10	7	17
much improved,	7	5	12
improved,	10	7	17
not improved,	10	4	14
voluntary,	1	1	2
Eloped,	—	—	—
Died,	15	10	25
Remaining Sept. 30, 1903,	69	101	170
Number likely to recover or improve,	13	14	27

11. — *Ages of Insane at First Attack, Admission and Death.*

AGES.	PERSONS FIRST ADMITTED TO ANY HOSPITAL.						PERSONS DIED.					
	AT FIRST ATTACK.			WHEN ADMITTED.			AT FIRST ATTACK.			AT TIME OF DEATH.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	8	7	15	-	-	-	1	-	1	-	-	-
15 years and less, . . .	-	1	1	-	-	-	-	-	-	-	-	-
From 15 to 20 years, . .	7	2	9	4	4	8	1	1	2	-	-	-
20 to 25 years, . . .	9	11	20	10	3	13	3	-	3	1	-	1
25 to 30 years, . . .	12	14	26	10	11	21	2	1	3	3	1	4
30 to 35 years, . . .	13	13	26	14	11	25	2	1	3	1	1	2
35 to 40 years, . . .	13	10	23	8	16	24	1	2	3	1	-	1
40 to 50 years, . . .	12	15	27	21	24	45	8	6	14	6	5	11
50 to 60 years, . . .	7	12	19	12	14	26	4	8	12	7	6	13
60 to 70 years, . . .	9	10	19	10	10	20	6	3	9	8	7	15
70 to 80 years, . . .	5	5	10	5	6	11	6	3	9	8	3	11
Over 80 years,	-	2	2	1	3	4	2	2	4	2	5	7
Unknown,	-	-	-	-	-	-	1	1	2	-	-	-
Total of persons, . . .	95	102	197	95	102	197	37	28	65	37	28	65
Mean ages,	50	42	46	54	56	55	51	52	52	60	61	60

12. — *Reported Duration of Disease before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL			ALL OTHER ADMISSIONS.			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	8	7	15	5	2	7	13	9	22
Under 1 month,	16	9	25	4	2	6	20	11	31
From 1 to 3 months,	11	8	17	2	2	4	13	8	21
3 to 6 months,	5	6	11	3	3	6	8	9	17
6 to 12 months,	4	11	15	-	1	1	4	12	16
1 to 2 years,	21	13	34	4	-	4	25	13	38
2 to 5 years,	22	25	47	4	9	13	26	34	60
5 to 10 years,	5	16	21	2	4	6	7	20	27
10 to 20 years,	1	6	7	2	5	7	3	11	14
Over 20 years,	2	3	5	1	5	6	3	8	11
Unknown,	-	-	-	-	-	-	-	-	-
Total of cases,	95	102	197	27	33	60	122	135	257
Total of persons,	-	-	-	-	-	-	121	135	256
Average in years,	2.2	3.81	3.05	3.7	10.75	7.84	-	-	-

13. — *Form of Mental Disease in Cases admitted or discharged, with Condition on Discharge.*

FORM OF DISEASE	CASES ADMITTED.			CASES DISCHARGED.						NOT INSANE.			DIED.		AGGREGATES.		
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.		Males.	Females.	Totals.
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.		
A. — Insane:—																	
Acute alcoholic insanity, . .	8	3	11	10	5	15	1	1	2	1	1	2	1	1	2	1	2
Acute delirium,	3	1	4	1	1	2	1	1	2	2	3	5	6	1	1	1	1
Chronic alcoholic insanity, .	5	5	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dementia, præcox,	23	26	49	—	2	2	4	6	10	5	3	8	6	1	7	3	10
hebephrenic form,	—	2	2	—	—	—	—	—	—	—	1	1	3	1	—	—	—
catatonic form,	4	13	17	—	—	—	1	1	2	—	—	—	—	—	—	—	—
paranoid form,	6	4	10	—	—	—	2	2	4	1	1	2	1	1	—	—	—
Epilepsy,	3	11	14	—	—	—	—	—	—	—	4	4	1	1	—	—	—
Involution psychosis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manic-depressive insanity, .	12	11	23	7	6	12	1	3	4	2	2	2	2	1	2	1	2
depressive form,	4	8	12	3	3	6	3	2	5	2	5	7	2	1	1	1	2
maniacal form,	—	4	4	—	1	1	—	2	2	—	—	—	—	—	—	—	—
mixed form,	—	4	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mental deficiency,	12	10	22	—	—	—	3	1	4	2	2	4	3	—	1	5	6
Organic dementia,	6	5	11	—	—	—	—	—	—	—	—	—	—	—	2	2	2
Paranoia,	7	10	17	—	—	—	—	—	1	1	1	1	1	—	8	3	11
Parasitis,	14	4	18	—	—	—	—	—	1	2	—	2	4	—	13	9	22
Senile dementia,	9	18	27	—	—	—	1	—	1	—	—	—	—	—	1	—	1
Habitual drunkard,	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
C. — Morphine habit,	3	3	6	1	—	1	1	—	1	—	—	—	—	—	—	—	—
D. — Voluntary,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	—	—	—	22	17	39	17	19	36	16	22	38	26	13	37	28	65

14. — Discharges, classified by Admission and Result.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			VOLUNTARY.			ELOPED.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	15	16	31	14	11	25	11	17	28	22	10	32	—	1	1	3	1	4	36	25	61	101	80	181
Second,	3	—	3	2	5	7	3	3	6	4	2	6	1	—	1	2	—	2	—	—	1	15	12	27
Third,	1	1	2	1	1	2	—	1	1	—	1	1	—	—	—	1	—	1	—	2	2	3	6	9
Fourth,	2	—	2	—	2	2	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1	4	2	6
Fifth,	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Seventh,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Total of cases,	22	17	39	17	19	36	15	22	37	26	13	39	1	1	2	6	1	7	37	28	65	124	101	225
Total of persons,	22	17	39	17	19	36	15	22	37	26	13	39	1	1	2	6	1	7	—	—	—	123	101	224

15. — Causes of Death.

	Males.	Females.	Totals.
Bronchitis,	—	1	1
Chronic endocarditis,	3	—	3
Cerebral hemorrhage,	6	2	8
Exhaustion from delirium tremens,	1	—	1
Exhaustion from acute delirium,	1	—	1
Erysipelas,	—	4	4
Myocarditis,	1	1	2
Inanition and opium habit,	1	—	1
Organic heart disease,	2	—	2
Paresis,	8	3	11
Pulmonary tuberculosis,	5	1	6
Pneumonia,	—	1	1
Pneumonia and heat prostration,	—	1	1
Pulmonary embolism,	—	1	1
Septicæmia,	1	—	1
Suffocation,	—	1	1
Senility,	4	6	9
Suicide,	2	—	2
Tubercular peritonitis,	1	—	1
Typhoid fever,	—	1	1
Uræmia,	1	1	2
Valvular heart disease,	—	4	4

16. — Recoveries, classified by Duration of Disease and of Treatment.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Under 1 month,	11	10	21	2	—	2	1	—	1	1	—	1
From 1 to 3 months,	6	3	9	9	6	15	8	5	13	7	5	12
3 to 6 months,	—	—	—	7	6	13	6	5	11	2	5	7
6 to 12 months,	2	3	5	3	4	7	2	2	4	5	1	6
1 to 2 years,	2	1	3	1	1	2	4	4	8	4	5	9
2 to 5 years,	1	—	1	—	—	—	1	1	2	1	1	2
5 to 10 years,	—	—	—	—	—	—	—	—	—	1	—	1
10 to 20 years,	—	—	—	—	—	—	—	—	—	1	—	1
Totals,	22	17	39	22	17	39	22	17	39	22	17	39
Average of known cases (in months),	3.04	4.58	7.62	3.57	4.88	8.45	6.61	9.47	16.08	18.33	10.41	28.74
										8.85	5.64	14.49

17. — Deaths, classified by Duration of Disease and Treatment.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Under 1 month,	1	3	4	11	5	16	1	1	2	10	5	15.
From 1 to 3 months,	1	—	1	4	3	7	1	—	1	4	2	6
3 to 6 months,	2	2	4	1	3	4	—	—	—	1	4	5
6 to 12 months,	6	4	10	6	2	8	4	2	6	6	2	8
1 to 2 years,	13	2	15	6	3	9	12	2	14	6	3	9
2 to 5 years,	9	10	16	4	7	11	8	9	17	5	7	12
5 to 10 years,	2	5	7	1	2	3	2	7	9	1	2	3
10 to 20 years,	3	—	3	1	1	2	4	3	7	1	1	2
Over 20 years,	2	2	4	3	2	5	4	4	8	3	2	5
Unknown,	1	—	1	—	—	—	1	—	1	—	—	—
Totals,	37	28	65	37	28	65	37	28	65	37	28	65
Average of known cases (in months),	46.5	44.71	45.1	48.72	48.60	48.67	92.97	93.3	93.12	95.18	49.35	49.69

[illegible]

[illegible]

[illegible]

FORTY-NINTH ANNUAL REPORT
OF
THE TRUSTEES
OF THE
NORTHAMPTON INSANE HOSPITAL,
FOR THE
YEAR ENDING SEPTEMBER 30, 1904.



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18 POST OFFICE SQUARE.
1905.

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LEWIS F. BABBITT,	<i>Clerk.</i>
IDA A. PORTER,	<i>Matron.</i>
JOHN MERCIER,	<i>Farmer.</i>
GEORGE T. GILBERT,	<i>Engineer.</i>

TREASURER.

LEWIS F. BABBITT,	NORTHAMPTON.
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Office at the Hospital.

Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton Insane Hospital respectfully submit their forty-ninth annual report of the business affairs of the hospital, including as a part of it the reports of the superintendent and treasurer.

The most important work of the year has been the erection of the infirmary ward for men. Construction of this building was begun in the spring and has progressed rapidly. It is hoped that it will be ready for use early next spring. The location selected for it is a very favorable one, about 100 feet north of the old building, far enough away to permit unobstructed light and air for both old and new buildings. It is connected with the old building by a corridor one story high, which has, midway, an octagonal sun room. The main building faces the south, and is so planned that every room occupied by patients gets sunshine throughout the greater part of the day. In the centre is a sun room with windows facing east, south and west. The building will accommodate 92 patients and 34 nurses. The transfer of some of the latter from the old building will vacate rooms which will be available for the patients.

The changes in the heating department, for which appropriation was made last year, have been completed and the results are very satisfactory.

The alterations in the old barn have been nearly completed.

The ward on the lower floor of the infirmary building for women has been finished except for a few details, and will soon be occupied.

The Legislature authorized our Board to expend from the maintenance appropriation the sum of \$2,800 for a system of telephones and night watchman's clocks and for the repair and construction of sidewalks, but we have thought it unadvisable to undertake these improvements till it could be seen whether the amount mentioned could be spared from the maintenance fund.

We approve of the suggestions made in the superintendent's report, and shall ask the Legislature to make appropriations as follows: for a new engine and electric generator, to replace the one now in use, the sum of \$4,000; for a hot-house for the farm and garden, the sum of \$1,500; and for a spur track from the New York, New Haven and Hartford Railroad to our grounds, a sum which we shall estimate after a conference with the railroad officials, now pending.

The most important matter in the affairs of the hospital to be considered by the trustees is the serious overcrowding of our wards, due to the transfer of the insane from the almshouses of this district to the hospital. The new buildings of last year and this will not provide room enough for them. In our opinion, it is not advisable to enlarge this institution, because of the great expense involved. If relief cannot be afforded by transfer to one of the three State institutions for the chronic insane, as we hope will be done, we must continue to provide for them, and the most economical way would appear to be to establish colonies. This plan was suggested two years ago by this Board, but the Legislature did not approve of granting money for the purpose.

So far as we are concerned, we believe the small hospital is much more advantageous for patients and employees, and we should prefer to remain at our present size rather than to expand to a larger institution.

Regular monthly meetings of the trustees have been held at the hospital, at which times the hospital was inspected, and many visits of members of the Board have been made between

the times of the stated meetings. We have always found the hospital in excellent order, and affairs progressing quietly and smoothly.

There has been but one change on the medical staff; in November Dr. Grace E. B. Rice was appointed to serve for a term of one year.

The trustees desire to again express their approval of the efficient service of the superintendent and the staff of medical and other officers.

CAROLINE A. YALE.

F. W. CHAPIN, M.D.

WILLIAM D. MACINNES.

HENRY P. FIELD.

CHARLES S. SHATTUCK.

ALVAN BARRUS.

SARAH A. WOODWORTH.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Insane Hospital.

The superintendent respectfully presents the following report for the year ending Sept. 30, 1904.

There were 692 patients in the hospital on Oct. 1, 1903; 333 were admitted, making 1,025 under treatment, — 108 more than last year; 273 were dismissed, leaving 752 at the end of the year. The largest number on any one day was 772. The daily average number was 734, — 77 larger than last year, which at that time was the largest in the history of the hospital.

These figures represent cases who were actually under treatment at the hospital, and do not agree with those given in the statistical tables accompanying this report, because the latter include 59 cases in various almshouses who were committed for the purpose of transferring them to the jurisdiction of the State Board of Insanity, and were dismissed from our authority without having been admitted in person to the hospital. For the purpose of record, however, we were requested to treat the cases in our tables of statistics as though they had actually been brought to the hospital.

Of the persons admitted, 235 had never been in any hospital for the insane, though 51 had been cared for in almshouses before being brought here; 76 had been here before, of whom 13 had been in almshouses since leaving the hospital; 21 had been in other hospitals than this. Only 140 of the persons admitted were born in Massachusetts, and but 195 were born in the United States. Forty-two per cent. were of foreign birth.

The chief causes of insanity in the cases admitted were heredity, intemperance, senility, congenital causes, and organic lesions of the brain, in the order given.

The great majority of the patients admitted had an incurable form of mental disease; in 31 cases the disease was congenital; in 164 it had existed for more than a year. Thirty-three of the patients admitted were more than sixty years of age, 21 were over seventy years of age and 10 were over eighty years of age.

Of the discharged, 27 were considered recovered, 29 much improved, 38 improved, 34 not improved.

The number of recoveries is smaller than for many years, but is as large as the character of the patients admitted in the past year would warrant. Recoveries can only be expected in certain types of insanity recognized as curable, and in such types the condition of the patients on admission, their age and the duration of the attack, are most important factors. For instance, during the past year 5 patients having a recognized curable form of mental disease died, because they were in a dying condition when committed, several of them living but a day or two after reaching the hospital. The great majority of insane patients are of the incurable types, and in any given year, the more of these there are admitted, the fewer will be the recoveries.

Many of the patients discharged as much improved continued to improve after leaving the hospital, some of them going on to recovery. It has been the policy of the hospital for years to discharge patients as soon as they can get along at home comfortably, provided the being at home does not lessen the prospects of recovery in curable cases. For this reason we are not credited with as many recoveries as we should have if we kept the patients longer.

Sixty-five patients died, — 6.34 per cent. of the whole number under treatment, which is about the usual percentage for this hospital.

One hundred and thirty-seven patients were allowed to leave the hospital on trial visits. The law limits the length of these visits to sixty days, during which period the patient may be brought back to the hospital without the necessity of being re-committed. This method of dismissal from the hospital has proved very beneficial in our experience. Many cases can be and are allowed to go on trial, whose final discharge is not ad-

visible at the time of leaving the hospital. In my opinion, the length of the visit which may be allowed is too short. Quite frequently patients have been able to remain away from the hospital sixty days, but soon after have had to be returned to the hospital, which of course necessitates a new commitment. I believe it would be wise to extend the length of visit to six months.

The very large increase in the number of patients we have had to care for during the past year is due to the operations of the law which went into effect Jan. 1, 1904, by which the State assumed the care of all the insane, whether in hospitals or in almshouses, who, prior to January 1, were chargeable to cities and towns. By a further provision of the law, all the insane then in almshouses must be transferred as soon as possible to the State hospitals. We received 51 patients of that class from various almshouses, and not a few besides, quiet and harmless but feeble-minded persons who were not in almshouses, who in all probability would not have been sent here if the towns had still been chargeable for their support. We have been informed that about 80 more of this class will be sent to us before 1905.

The coming of these patients to our already too crowded wards has entailed discomforts upon themselves and the other patients, and has added burdens to a nursing force which was already overburdened.

The effects of their admission will long be shown in our annual reports, diminishing our proportion of recoveries and increasing our death rate.

The general health throughout the hospital has been good, though there have been many feeble old men and women admitted who have needed care in bed. It has been noticeable, however, that during the winter months there has been a lowering of the physical tone and a decrease in the powers of resistance of many patients, due to the serious overcrowding of the wards.

The training school for nurses continues to be of much value to the hospital, and the nurses show increased interest in the work and in the hospital. Five nurses were graduated this year: Alice E. Bedell, Hannah B. Mann, Katherine R. Maloney,

Belle McLaurin and Maud L. Wheeler. The term closed with graduating exercises. Miss Yale and Mr. Barrus, of the Board of Trustees, and Miss Catton, matron of the Springfield City Hospital, addressed the graduating class. The presentation of diplomas by the superintendent was followed by an evening of music and dancing. The hospital is fortunate in retaining ten graduates of the school in the service, but a few of these expect to leave soon to take up general nursing.

Dr. Nathan W. Williams of Northampton, dentist, has been employed to visit the hospital one day each week to attend to the teeth of the patients, and has found plenty of work to be done. His work has added much to the appearance and to the comfort of a large number of patients.

Occupation has been found for as many patients as possible during the year. As usual, many are kept busy in the different departments. The farm and grounds furnish places for a large number of men, and the grading and ditching operations always in progress about a large institution provide ideal occupation for feeble-minded patients. During the past year patients have cut down a knoll about 7 feet high, extending over an area of 150 feet square, the site of the new infirmary building for men, and have excavated for the foundations and basement of the same. Thousands of loads of soil were removed in hand carts, and were used to grade and fill in low places in the grove in front of the hospital. Patients dug a trench for the sewer for the same building, 475 feet long; another trench for the steam pipes and for the electric wires for the same building, 235 feet long; and still another, 325 feet long, for water pipes and for the relocation of the fire hydrant. They also laid a new steam pipe for the piggery and barns, 525 feet in length. A number of the patients are becoming very efficient helpers to the pipe fitters, and one has made himself useful in the tin shop. All mechanics, carpenters, painters, plumbers, etc., have one or more patients as helpers, who take much interest in their work.

The farm has had a very favorable year, and many of the crops are larger than usual. The list of products of the farm accompanying this report shows the great variety of vegetables raised, the quantities and the market values. It is a very

profitable department of the hospital. By reason of the large quantities of staple products it furnishes, our cost of living is kept much lower than it could be otherwise, and many vegetables are furnished that we should not feel warranted in purchasing; and not the least of its advantages is that it furnishes employment of a simple, healthful nature to so many patients.

The farm could be made still more profitable by the addition of a hot-house, and I advise your Board to petition the Legislature for an appropriation to build one.

The following important improvements have been made during the year:—

A motor has been installed to operate the laundry machinery.

Three standpipes for fire protection have been erected in the working department, one near each stairway in the rear, so as to be easily accessible, each having a fire plug and hose on each floor, making ten such stations in all.

The most important change made in our equipment was the substitution of two “Bundy” water heaters for the old heaters, seven in number, which were located under the wards, some of them more than 500 feet from the boilers. The old heaters were operated by high-pressure steam. The two new ones located near the engine room are heated by exhaust steam. Circulation of water is maintained by a small pump, so that the water will not stand in the pipes to cool. The new system will be much more economical than the old one.

An imperative need the coming year will be a larger engine and electric generator, to replace the ones installed twelve years ago. They were large enough for the institution at that time, and seemed likely to answer the hospital's requirements for many years to come, but the unlooked-for increase in number of patients has put more work upon the engine in many ways. The addition of the women's infirmary, with its ventilating fan and 150 lights, has overtaxed the engine at times, and it will be impossible to do the work when the lighting of the new building for the men is added to its load.

Another very pressing need is the building of a spur track from the New York, New Haven and Hartford Railroad to our grounds. At present, all coal, flour and other heavy supplies must be hauled by team, up a steep hill, at great expense and

labor. A low estimate of the saving in cost of hauling coal alone, at prevailing rates, would be \$1,000 a year. The greater part of the track would be on land owned by the institution, but right of way would have to be obtained over two parcels of land not belonging to the hospital.

Next to occupation come amusement and recreation as a measure of treatment of the insane. During the summer months out-of-door recreations are encouraged, — croquet, basket ball, tennis, excursions by electric railways, little picnics on our own grounds, attendance at circuses, agricultural shows and the like. In the winter assemblies are held regularly three or four times a week. The nature of these may be seen by reference to the following list for the past season: October 12, Mr. Wheeler and accompanist, musicale; October 19, nurses and patients, play, "Peak Sisters;" October 27, Mr. Brignati, legerdemain; November 9, Mr. Pike, phonograph entertainment; November 13, Misses Pratt and Booth, musicale; November 24, Mr. Taggart, songs and readings; December 25, Christmas tree; January 13, Mrs. Childs, musicale; January 18, nurses and patients, play, "My Aunt from California;" February 1, stereopticon lecture; February 22, "Washington's birthday" party; March 1, Miss Eastman, with Mt. Holyoke college glee and banjo club; March 9, Miss Flood, elocutionist; March 14, stereopticon lecture; March 22, Mr. Eccles, songs and readings; March 29, Mr. Reynolds, songs and readings; April 8, Mr. Norris and class, operetta, "Florenda;" April 23, nurses and patients, assisted by Misses Macomber, Graves and Brown, and Mr. Fred Brown, musicale and broom drill; September 27, Mr. Richards, readings. Besides these there were sixty-nine evenings of readings by some member of the staff, with music by the hospital choir, and twenty-five dances, besides numerous "parties" on the wards.

On every Sunday afternoon one of the clergymen of this vicinity has conducted religious services in our assembly hall, which were regularly attended by an audience numbering about 425. The following clergymen are entitled to our grateful appreciation: Rev. Mr. Bartlett, Rev. Mr. Breaker, Rev. Mr. Butler, Rev. Mr. Clancy, Rev. Mr. Cobb, Professor Evans,

Professor Gilbert, Rev. Mr. Holmes, Rev. Mr. Kent, Rev. Mr. Keyser, Professor Lyman, Professor Mensel, Rev. Mr. Pomeroy, Rev. Mr. Pierpont, Rev. Mr. Post, Rev. Mr. Powell, Rev. Dr. Rose, Rev. Mr. Shattuck, Professor Smith, Rev. Mr. Stoops, Professor Tyler, Rev. Mr. Williston and Rev. Mr. Woods.

Many friends of the hospital and of its inmates have contributed money, articles of various kinds and fruit to make life here more pleasant. We make grateful acknowledgment to the following persons: Miss Fobes of Springfield, articles for the Christmas tree; Mrs. W. T. Parker of Springfield, money for articles for Christmas tree; Mrs. J. L. Egbert of Springfield, money for articles for Christmas tree; Misses White of Concord, fifty gifts for Christmas tree; Mr. E. P. Avery of Holyoke, money for articles for Christmas tree; Mr. T. Beardsley of Springfield, oranges and confectionery for Christmas tree; Miss Anna Checkley of Riverdale on Hudson, gifts for patients; Mrs. M. E. Gardner of Riverdale on Hudson, gifts for patients; Miss Alice B. Fay of Saxonville, gifts for Christmas tree; Misses Eastman of South Hadley, gifts for Christmas tree; Mrs. Abbott of Northampton, magazines; Mrs. Parsons of Northampton, magazines; Mr. S. E. Bridgman of Northampton, magazines and papers; Mrs. F. S. Pomeroy of Northampton, magazines and papers; Mrs. Phillips of Northampton, magazines and music; Miss Rand of Northampton, magazines; Miss Austin of Peterboro, N. H., magazines and papers and subscription to "Harper's Weekly;" the Men's Club of Amherst, magazines. The "Christian Register," "Dumb Animals," "Berkshire County Eagle" and "Sunshine Journal" have been received regularly and appreciated.

JOHN A. HOUSTON.

DIETARY OF THE NORTHAMPTON INSANE HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about three hundred persons, and the second to those of somewhat over three hundred. In addition to these, about 190 quarts of egg and milk are taken through the wards between meals and at bed time, and distributed to the old, the feeble and the convalescent classes.]

BILL OF FARE No. 1.

BREAKFAST.

Monday. — Tea, oatmeal, coffee, broiled beefsteak or eggs, potatoes, warm rolls ("biscuit"), bread and butter.

Tuesday. — Tea, coffee, oatmeal, fried tripe,* potatoes, warm rolls, bread and butter.

Wednesday. — Tea, coffee, oatmeal, broiled beefsteak or eggs, potatoes and warm brown (rye and Indian) bread.

Thursday. — Tea, coffee, oatmeal, broiled beefsteak, potatoes, warm rolls, bread and butter.

Friday. — Tea, coffee, oatmeal, fried tripe,* potatoes, warm rolls, bread and butter.

Saturday. — Tea, coffee, oatmeal, either fried fish-balls or liver, meat hash, hot corn cake, bread and butter.

Sunday. — Tea, coffee, oatmeal, eggs, potatoes, warm rolls, bread and butter, and fried Indian corn pudding.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable,† bread and butter, boiled rice with syrup or sugar.

Tuesday. — Vegetable soup, roast or stewed veal,‡ potatoes and one other vegetable,† bread and butter, and baked Indian pudding.

Wednesday. — Either roasted or boiled mutton, potatoes and one other vegetable,† bread and butter, and berry or apple pudding, with sauce.§

Thursday. — Vegetable soup, corned beef, potatoes and one other vegetable,† bread and butter, and boiled suet pudding, with syrup.

* Tripe is replaced in winter by sausages, and in spring by fried ham and eggs, except in the season of shad, when that fish is given once each week instead of ham and eggs, and once instead of beefsteak.

† At least three vegetables during the summer.

‡ Substituted in winter by fresh pork ribs, roasted.

§ In spring, maple syrup is used as sauce for puddings.

Friday. — Either fried or baked fresh fish,* or stewed or roasted veal, potatoes and one other vegetable,† bread and butter, and tapioca pudding or raisin pudding of either rice, bread or cracker.

Saturday. — Baked beans, corned beef, potatoes and one other vegetable,‡ pickles, bread and butter, and baked bread pudding.

Sunday. — Stewed mutton, sweet potatoes, warmed baked beans, pickles, bread and butter and pies, the kind varying with the season.

SUPPER.

Monday. — Tea and bread, warm corn cake and butter, hard gingerbread and a relish.‡

Tuesday. — Tea, white bread, graham bread and butter, soft gingerbread and a relish in the warm season, substituted by buckwheat cakes in the cold season.

Wednesday. — Tea, bread and butter, pie (the kind varying with the season) and ginger snaps and a relish.

Thursday. — Tea, bread and butter, cookies and cheese.

Friday. — Tea, bread and butter, cake (the kind varying) and a relish.

Saturday. — Tea, bread and butter, doughnuts and cheese.

Sunday. — Tea, bread and butter, cookies and ginger snaps and blanc-mange or cornstarch.

Extra. — In the winter and spring months hulled corn at supper, once in two weeks, on Saturdays.

BILL OF FARE No. 2.

BREAKFAST.

Monday. — Coffee, oatmeal, boiled eggs, potatoes, and bread and butter.

Tuesday. — Coffee, oatmeal, cold roast beef, potatoes, and bread and butter.

Wednesday. — Coffee, oatmeal, meat stew or boiled eggs, potatoes, and warm rye and Indian corn brown bread and butter.

Thursday. — Coffee, oatmeal, pickled codfish cooked in milk, potatoes, and bread and butter.

Friday. — Coffee, oatmeal, cold corned beef or meat stew, potatoes, and bread and butter.

Saturday. — Coffee, oatmeal, hash, either of meat or fish, and bread and butter.

Sunday. — Coffee, oatmeal, boiled eggs, potatoes, and bread and butter.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable,‡ boiled hominy with molasses and bread.

* Substituted by stewed oysters in winter and spring, with some kind of roasted meat for those who prefer it.

† At least three vegetables during the summer.

‡ This term, used for the want of a better, includes dried beef, berries, baked apples, apple sauce and canned fruits, all of which are supplied, and each according to the season.

Tuesday. — Vegetable soup, potatoes and one other vegetable,* baked Indian pudding † and bread.

Wednesday. — Boiled codfish with drawn-butter sauce, potatoes and one other vegetable,* boiled hasty pudding with molasses and bread.

Thursday. — Vegetable soup, potatoes, cabbage or some other vegetable,* boiled rice with molasses ‡ and bread.

Friday. — Boiled fresh fish with drawn-butter sauce, potatoes, beets or some other vegetable,* boiled hasty pudding with molasses and bread.

Saturday. — Hot baked beans, potatoes, baked Indian or bread pudding, pickles and bread.

Sunday. — Cold corned beef, potatoes, pies (the kind varying with the season) and bread.

SUPPER.

Monday. — Tea, bread and butter, and hard gingerbread.

Tuesday. — Tea, bread and butter, and soft gingerbread.

Wednesday. — Tea, bread and butter, cake or ginger snaps, and some kind of relish.

Thursday. — Tea, bread and butter, and cookies.

Friday. — Tea, bread and butter, and soft gingerbread.

Saturday. — Tea, bread and butter, cake or ginger snaps, sauce.

Sunday. — Tea, bread and butter, and cookies.

EXTRAS.

In the winter and spring months, hulled corn at supper on Saturdays.

In August and September these tables are furnished at supper with either berries, tomatoes or baked apples, as many as five times a week.

In eight halls, sauce of either fresh or dried apples is furnished four times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day and on Christmas, with vegetables, celery, cranberry sauce, pudding, pie and cider.

From four to five bushels of green sweet corn in the ear is consumed in its season, daily, with the exception of Sunday.

Strawberries, tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring, cowslips and dandelions are largely used as greens, and horse-radish as a condiment.

During eight months of the year, apples are distributed, daily, among the patients.

Beef tea, chicken broth, mutton broth, scalded milk, arrow-root gruel, oatmeal gruel, milk punch, cracked wheat, oatmeal porridge, dry toast, milk toast, toast with dropped egg and boiled eggs, for invalids and all who are not able to take the regular fare.

* At least three vegetables in the summer.

† All baked puddings for the whole household are made with milk.

‡ Maple syrup is furnished, in place of molasses, three or four times in the spring.

ARTICLES MADE IN SEWING ROOM.

Aprons,	880	Night caps,	16
Aprons with long sleeves,	4	Night gowns,	401
Bureau covers,	228	Napkins,	84
Bath robes,	2	Pillow cases,	1,699
Binders,	12	Pillow ticks,	344
Caps,	262	Rugs bound,	42
Chemises,	287	Sheets,	2,515
Corset covers,	10	Skirts,	140
Cloth bags,	117	Skirts for infant,	2
Curtains,	414	Slings,	24
Dresses,	374	Shirt waists,	8
Dresses for infant,	2	Shirts,	586
Dress skirts,	5	Spreads,	55
Drawers,	250	Suspenders, pairs,	32
Hats trimmed,	13	Table cloths,	130
Holders,	150	Tray cloths,	4
Mattress ticks,	315	Towels,	3,093
Mattress ticks made over,	56	Articles repaired,	19,515

UPHOLSTERY DONE IN THE YEAR.

Hair mattresses made, new material,	145
Hair mattresses made, new ticks,	180
Hair mattresses made, old material,	210
Hair pillows made, new material,	60
Hair pillows made, new ticks,	55
Hair pillows made, old material,	205
Lounges upholstered,	8
Billiard tables covered,	5

FARM PRODUCTS.

Apples, 1,100 barrels, . . .	\$1,375 00	Eggplant, 100, . . .	\$5 00
Asparagus, 26 bushels, . . .	49 00	Eggs, 682 dozen, . . .	191 00
Beef, 21,361 pounds, . . .	1,096 09	Hay, first growth, 307	
Beets, sugar, 280 bushels, . . .	84 00	tons,	4,605 00
Beets, 359 bushels, . . .	179 50	Hay, second growth, 85	
Beans, string, 308		tons,	1,275 00
bushels,	154 00	Hay for bedding, 4 tons, . . .	32 00
Beans, Lima, 92 bushels, . . .	92 00	Hay (Earl & Jewett), 39	
Beans, dry, 5 bushels, . . .	12 50	tons,	585 00
Broom corn, 900 pounds, . . .	54 00	Ice, 550 tons,	550 00
Broom corn seed, 65		Lettuce, 90 bushels, . . .	90 00
bushels,	26 00	Lumber, 10,430 feet, . . .	156 45
Currants, 32 bushels, . . .	61 44	Melons, water, 7,700	
Cabbage, summer, 650		pounds,	114 50
heads,	26 00	Melons, musk, 2,800	
Cabbage, winter, 2,100		pounds,	42 00
pounds,	84 00	Milk, 55,978 gallons, . . .	11,195 60
Cauliflower, 50 heads, . . .	4 00	Onions, 53 bushels, . . .	39 75
Carrots, 432 bushels, . . .	216 00	Oats, 30 bushels,	12 00
Calves, 28,	235 50	Oats, 7 tons,	70 00
Cucumbers, 173 bushels, . . .	86 50*	Oats, straw, 2½ tons, . . .	14 40
Celery, 41 dozen,	41 00	Pigs sold, 407,	1,341 93
Citron, 1,130,	11 30	Pears, 29½ bushels, . . .	29 50
Chicken, 1,172 pounds, . . .	234 40	Potatoes, 2,035 bushels, . . .	1,322 75
Cider, 1,672 gallons, . . .	100 32	Pigs, roast, 8,	18 00
Corn, pop, 2 bushels, . . .	4 00	Pease, 119 bushels,	119 00
Corn, green, 335 bushels, . . .	162 50	Peppers, ½ bushel,	50
Corn, shelled, 320		Parsley,	5 00
bushels,	192 00	Pork, 35,866 pounds, . . .	2,452 23
Corn stalk, 16 tons,	64 00	Posts, 47,	7 05
Dandelions, 8 bushels, . . .	8 00	Quince, 1½ bushels, . . .	1 50
Ensilage, 279 tons,	976 50	Rhubarb, 90 bushels, . . .	67 50

Radishes, 200 bunches, .	\$10 00	Strawberries, 766 quarts,•	\$114 90
Raspberries, 162 quarts, .	29 16	Tomatoes, 156 bushels, .	117 00
Rye straw, 2½ tons, .	40 00	Turnips, English, 80	
Rye, 45 bushels, . .	27 00	bushels,	32 00
Sage,	3 00	Turnips, Swede, 600	
Squash, summer, 184		bushels,	240 00
bushels,	92 00	Veal, 1,104 pounds, .	137 48
Squash, winter, 13,440		Wood, 26½ cords, . .	81 25
pounds,	134 40		
Spinach, 132 bushels, .	99 00		\$31,192 90
Swiss chard, 127 bushels,	63 50		

Live stock belonging to the hospital : —

Cows,	61	Horses,	14
Heifers,	32	Colts,	4
Bulls,	4	Swine,	278
Yokes of oxen,	4	Fowls,	185

OFFICERS AND EMPLOYEES.

[Time employed, Sept. 30, 1904.]

NAMES.	Years.	Months.	Days.
John A. Houston, M.D., superintendent,	15	—	7
Harriet M. Wiley, M.D., assistant physician,	4	7	29
Charles H. Dean, M.D., assistant physician,	4	4	21
Arthur B. Moulton, M.D., assistant physician,	3	7	15
Grace E. B. Rice, M.D., assistant physician,	—	10	27
Lewis Babbitt, clerk and treasurer,	12	11	18
George T. Gilbert, engineer,	2	—	—
John Mercier, farmer,	37	2	—
Ida Porter, matron,	6	1	29
Robert H. Gallivan, superintendent of nurses,	31	5	12
Florence A. Bedell, superintendent of nurses,	4	9	5
Harriet O. Reed, assistant superintendent of nurses,	4	5	25
Lucy A. Gilbert, clothes marker,	36	8	17
George N. Drury, steward,	7	—	—
Mattie G. Jones, secretary to superintendent,	11	2	11
William J. Moore, assistant steward,	7	11	3
Herbert W. Root, assistant steward,	5	4	22
Herbert E. Walker, baker,	6	6	18
Jay E. Cook, assistant baker,	5	7	—
Susan E. Warren, seamstress,	10	6	8
Edith Metcalf, assistant seamstress,	4	3	18
Margaret Willard, assistant seamstress,	—	11	1
Charles E. Williams, laundryman,	7	—	29
Mary J. Reihl, laundress,	1	5	4
Annie Hulett, laundress,	—	7	12
Margaret Flynn, laundress,	—	2	25
Bertha Cannon, laundress,	—	2	21
Emma Newton, laundress,	—	8	3
Fred Aldrich, nurse,	5	5	1
Thomas Fickett, nurse,	1	4	17
James Lee, nurse,	1	1	19
James Campbelle, nurse,	1	1	16
Gordon Converse, nurse,	1	1	14
Leslie Dickinson, nurse,	1	1	7
Burton Fisk, nurse,	1	—	6
Samuel Williams, nurse,	12	3	3
Robert Pike, nurse,	5	7	8
Hormeda Senecal, nurse,	1	—	9
Edward Wixom, nurse,	—	11	13
George Metcalf, nurse,	—	10	27
John E. Williams, nurse,	—	10	23
Harry W. Love, nurse,	—	9	21
C. M. Leland, nurse,	—	7	26
David Delong, nurse,	—	6	18

NAMES.	Years.	Months.	Days.
Fred Metcalf, nurse,	-	6	18
Ellis Potter, nurse,	-	5	25
Frank Ponthon, nurse,	-	5	24
Henry F. Cook, nurse,	-	5	24
Merritt Durham, nurse,	-	5	11
George Andrews, nurse,	-	5	10
Charles F. Bates, nurse,	-	8	22
David J. Anderson, nurse,	-	8	2
James Howatt, nurse,	-	1	1
John W. Howe, nurse,	-	-	25
George O. Brooks, nurse,	-	5	10
Mary Root, nurse,	3	5	16
Maud Amsden, nurse,	3	1	15
Lucy Howatt, nurse,	-	11	18
Katherine Maloney, nurse,	2	6	21
Maud L. Wheeler, nurse,	2	1	27
Belle McLaurin, nurse,	2	-	17
Hannah Mann, nurse,	1	11	15
Alice Bedell, nurse,	1	9	28
Winnie A. Martin, nurse,	1	5	5
Florence M. Hutt, nurse,	1	5	1
Daisy Colton, nurse,	1	5	24
Helena Donoghue, nurse,	1	4	28
Mabelle Lee, nurse,	1	1	19
Kate Riley, nurse,	-	10	23
Laura Gilmore, nurse,	-	9	23
Flora Gilmore, nurse,	-	9	23
Grace Taylor, nurse,	-	8	29
Annie Donoghue, nurse,	-	8	9
Sarah I. Rushe, nurse,	-	6	29
Jennie Hart, nurse,	4	2	9
Mamie Rushe, nurse,	-	6	8
Nellie Marcey, nurse,	-	4	3
Isabelle Barnes, nurse,	-	2	28
Effie Mahy, nurse,	-	2	24
Maggie Rushe, nurse,	-	1	23
Helen Holiday, nurse,	-	1	9
Eva Geffkin, nurse,	-	1	8
Clara La Due, nurse,	-	-	29
Margretta MacNair, nurse,	-	-	29
B. Frances Millen, nurse,	-	-	18
Sophia McDonald, nurse,	-	-	2
Agnes Canning, nurse,	-	-	1
Edna Bennett, usher,	1	3	14
Harriet Briggs, rear housework,	3	1	22
Maggie Tobin, cook,	1	11	19
Rose Post, cook,	-	3	10
Susie Hilton, employees' dining room,	-	4	2
Gertrude Hilton, centre housework,	-	4	2
Edith Sargeant, centre housework,	-	10	20
Glencora Kellogg, dining room,	-	8	19
Anna Soleski, kitchen girl,	-	-	24
Bessie Soleski, kitchen girl,	-	-	4
Susie Soleski, kitchen girl,	-	-	10
Leroy McKusick, kitchen helper,	1	3	-

NAMES.	Years.	Months.	Days.
Walter D. Newton, assistant engineer,	4	8	16
Le Roy Kellogg, fireman,	-	8	19
Eddie Garrow, fireman,	-	4	19
George W. Thorniley, florist,	11	5	11
Nicholas Reil, gardener,	27	8	8
Henry Mould, gardener,	6	4	10
Sifroi Belleville, carpenter,	33	3	29
Walter Tower, carpenter,	25	8	-
Godfrey Willard, carpenter,	1	-	-
Alfred Parenteau, painter,	37	1	17
William Nicholls, painter,	2	-	9
Thomas P. Clair, plumber,	6	5	1
George W. Braman, mechanic,	15	10	7
Roscoe Tobin, mechanic,	1	10	28
David Mercier, coachman,	27	7	13
Xaviar Dion, farm laborer,	11	3	16
Charles Ulrich, farm laborer,	6	5	7
B. McNamara, farm laborer,	6	5	8
Benjamin W. Read, farm laborer,	4	11	-
Henry Egleston, farm laborer,	2	3	27
Henry Fuller, farm laborer,	3	7	2
Alexander Wylie, farm laborer,	1	6	-
W. C. Streeter, herdsman,	1	1	1
Bernard Kilkenny, mechanic,	6	1	12
William A. Burrows, mechanic,	1	1	22
Charles Closson, farmer,	-	10	10
Comyre Fuller, farmer,	-	6	15
William Richardson, farmer,	-	4	18
Bert Young, farmer,	-	3	9
Joseph Beurbe, farmer,	-	3	26
Charles Beurbe, farmer,	-	4	18
James Young, farmer,	-	1	15
Edward Lancore, farmer,	-	4	2
Nicholas Krajnyak, farmer,	-	3	1
George Belleville, carpenter,	-	3	10
James Ryan, fireman,	1	-	17
William S. Brown, watchman,	1	7	-

LIST OF PERSONS REGULARLY EMPLOYED AT THE NORTHAMPTON INSANE HOSPITAL.

Superintendent and physician, per year,	\$3,000 00
Assistant physician, "	1,000 00
Assistant physician, "	1,000 00
Assistant physician, "	1,000 00
Assistant physician, "	400 00
Treasurer and clerk, "	1,800 00
Engineer, house rent and partial board, "	1,100 00
Farmer, "	780 00
Florist, without board, "	700 00
Matron, "	500 00
Superintendent of nurses, per month,	50 00
Superintendent of nurses, "	40 00
Assistant superintendent of nurses, "	35 00
Secretary to the superintendent, "	35 00
Seamstress, "	25 00
Assistant seamstress, "	18 00
Assistant seamstress, "	18 00
Laundryman, "	45 00
Laundresses (five), "	\$15 00 to 20 00
Baker, "	50 00
Assistant baker, "	35 00
Steward, with partial board, "	60 00
Assistant steward, "	50 00
Assistant steward, "	40 00
Nurses (men, twenty-eight), "	21 00 to 33 00
Nurses (women, thirty-two), "	14 00 to 25 00
Usher, "	18 00
House maids (four), "	15 00 to 18 00
Waitress, "	15 00
Cook, "	25 00

Cook,	per month,	\$20 00
Kitchen girls (three),	"	\$14 00 to 16 00
Kitchen man,	"	25 00
Clothes marker,	"	25 00
Painter,	"	60 00
Painter,	"	50 00
Gardeners (two),	"	30 00
Assistant engineer,	"	50 00
Assistant engineer,	"	45 00
Fireman,	"	30 00
Fireman,	"	28 00
Coachman,	"	40 00
Farm laborers (sixteen),	"	21 00 to 30 00
Carpenter,	"	60 00
Carpenter,	"	35 00
Carpenter,	per day,	2 00
Carpenter,	"	2 25
Plumber,	per month,	75 00
Assistant plumber,	"	35 00
Assistant plumber,	per day,	1 75
Mechanic,	"	3 00
Foreman,	per month,	50 00
Watchman,	"	30 00

TREASURER'S REPORT.

To the Trustees of the Northampton Insane Hospital.

I herewith submit my annual report on the finances of the Northampton Insane Hospital for the year ending Sept. 30, 1904 : —

ASSETS.

Five hundred and five acres of land,	\$53,400 00
Hospital building,	480,000 00
Women's infirmary,	55,000 00
Farmhouse,	1,500 00
Brick house,	1,700 00
Three dwellings,	2,000 00
Storehouse, shops and cold storage,	30,000 00
Two barns,	5,000 00
Horse stable,	6,000 00
Cow stable,	12,000 00
Piggery,	3,000 00
Lumber house,	850 00
Cart shed,	400 00
Pump house,	500 00
Two ice houses,	300 00
Fire-proof house for oils and paints,	500 00
	<hr/>
	\$652,150 00

PERSONAL ESTATE.

Stocks and supplies as per inventory,	\$98,884 99
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RECEIPTS.

Cash on hand Oct. 1, 1903 (September receipts, due State Treasurer),	\$1,906 50	
Unexpended balance of maintenance appropriation and receipts with State Treasurer,	4,746 78	
	<hr/>	\$6,653 28
Received from cities and towns for support of patients,	\$40,074 66	
Received from individuals for support of patients,	33,338 54	
	<hr/>	
<i>Amounts carried forward,</i>	\$73,413 20	\$6,653 28

<i>Amounts brought forward,</i>	\$73,413 20	\$6,653 28
Received from individuals, reimbursements,	5,242 91	
Received from farm sales,	1,823 04	
Received from miscellaneous sales,	493 90	
Received from interest on bank deposit,	161 75	
	<hr/>	81,134 80
Appropriation by the Commonwealth for support of State patients for calendar year 1904,		113,575 43
Amount credited through the State Board of Insanity and State Board of Charity,		455 93
		<hr/>
		\$201,819 44

EXPENDITURES.

Expenditures for maintenance:—		
Salaries, wages and labor,		\$47,841 36
Food:—		
Butter,	\$6,069 17	
Beans,	229 98	
Bread and crackers,	822 34	
Cereals, rice and meal,	838 62	
Cheese,	164 48	
Eggs,	5,388 03	
Flour,	4,520 76	
Fish,	2,244 75	
Fruit,	1,465 40	
Meats,	7,711 85	
Milk,	623 25	
Molasses and syrup,	417 22	
Sugar,	2,746 72	
Tea, coffee and broma,	1,055 51	
Vegetables,	883 24	
Sundries,	960 09	
	<hr/>	36,141 41
Clothing and clothing material:—		
Boots, shoes and rubbers,	\$789 17	
Clothing,	1,858 27	
Dry goods for clothing, and small wares,	2,120 26	
Furnishing goods,	10 13	
Hats and caps,	82 35	
Sundries,	19 23	
	<hr/>	4,879 41
Furnishings:—		
Beds, bedding, table linen, etc.,	\$3,871 39	
Brushes, brooms, etc.,	171 70	
Carpets, rugs, etc.,	1,544 33	
Crockery, glass ware, cutlery, etc.,	496 71	
Furniture and upholstery,	159 16	
Kitchen furnishings,	488 78	
	<hr/>	
<i>Amounts carried forward,</i>	\$6,732 07	\$88,862 18

<i>Amounts brought forward,</i>	\$6,732 07	\$88,862 18
Wooden ware, buckets, pails, etc.,	48 47	
Sundries,	40 95	
	<hr/>	6,821 49
Heat, light and power: —		
Coal,	\$17,714 65	
Gas,	72 49	
Oil,	178 95	
Sundries,	436 01	
	<hr/>	18,402 10
Repairs and improvements: —	.	
Cement, lime and plaster,	\$85 35	
Doors, sashes, etc.,	84 50	
Electrical work and supplies,	1,100 97	
Hardware,	1,127 25	
Lumber,	716 81	
Machinery, etc.,	814 97	
Paints, oil, glass, etc.,	1,040 36	
Plumbing, steam fitting and supplies,	2,050 66	
Roofing and materials,	64 85	
Mechanics and laborers (not on pay roll),	392 06	
Sundries,	383 64	
	<hr/>	7,861 42
Farm, stable and grounds: —		
Blacksmith and supplies,	\$344 50	
Carriages, wagons and repairs,	296 40	
Fertilizers, vines, seeds, etc.,	1,604 77	
Hay, grain, etc.,	7,865 82	
Harness and repairs,	280 82	
Cows,	316 00	
Other live stock,	1,390 30	
Labor (not on pay roll),	24 25	
Rent,	53 00	
Tools, farm machines, etc.,	324 14	
Sundries,	299 80	
	<hr/>	12,799 80
Miscellaneous: —		
Books, periodicals, etc.,	\$206 22	
Chapel services and entertainments,	733 03	
Freight, expressage and transportation,	1,006 75	
Funeral expenses,	2 00	
Hose, etc.,	194 04	
Medicines and hospital supplies,	1,245 21	
Medical attendance (extra),	120 00	
Postage,	337 20	
Printing and printing supplies,	263 02	
Return of runaways,	95 04	
Soap and laundry supplies,	1,186 70	
Stationery and office supplies,	204 66	
Travel and expenses (officials),	553 93	
	<hr/>	
<i>Amounts carried forward,</i>	\$6,147 80	\$134,746 99

<i>Amounts brought forward,</i>	\$6,147 80	\$134,746 99
Telephone and telegraph,	284 84	
Tobacco,	318 83	
Water (average price per 1,000 gallons, \$0.06),	2,595 13	
Sundries,	1,034 79	
		<hr/> 10,381 39
Total expenditures out of current income,		\$145,128 38
Unexpended balance of maintenance appropriations and receipts with State Treasurer,	\$54,387 57	
Cash on hand, receipts due State Treasurer,	2,303 49	
		<hr/> 56,691 06
		<hr/> \$201,819 44

RESOURCES AND LIABILITIES.

Resources.

Cash on hand (September receipts, due State Treasurer),	\$2,303 49	
Unexpended balance of maintenance appropriation and receipts with State Treasurer,	54,387 57	
Bills due from individuals for support of patients,	11,267 31	
Bills due from soldiers' relief for support of patients,	42 71	
Other bills receivable on account of reimbursements,	3,171 32	
		<hr/> \$71,172 40

Liabilities.

Due for salaries, wages and labor,	\$4,026 65	
Due for all other current expenses,	7,878 37	
		<hr/> 11,905 02
Balance in favor of the hospital Sept. 30, 1904,		\$59,267 38

During the year the average number of patients has been 734.

Dividing the total expenditure for maintenance (\$145,128.38) by the average number gives average annual cost of	\$197 72
Equivalent to an average weekly cost of	3 78

STATEMENT OF FUNDS.

Fred B. Kelly Fund.

To cash received March 9, 1904,	\$603 79
Deposited March 9, 1904, in Northampton Institution for Savings,	603 79

LEWIS F. BABBITT, *Treasurer.*

We have examined, as auditors, the accounts of the treasurer, and found a satisfactory voucher for every entry.

ALVAN BARRUS.
HENRY P. FIELD.

SUPPLEMENTARY STATEMENT

RELATING TO SPECIAL APPROPRIATIONS.

OBJECT.	Resolve.	Whole Amount.	For Patients and Nurses.	For Farm, Stable and Grounds.	Total Buildings and Additions.	Furnishing and equipping.	Water Supply, Sewerage, Central Heating and Electric Lighting.	Total Expenditures.	Expended to Date.	Balance at End of Year.
Hay, barn and cow stable,	1901, .	\$16,000	-	\$1,182 53	-	-	-	\$1,182 53	\$14,853 27	\$1,146 73
Connecting sewerage system,	1901, .	3,000	-	-	-	-	\$164 62	164 62	3,000 00	-
Infirmary, north wing,	1903, .	65,000	\$13,389 85	-	\$13,389 85	-	-	13,389 85	13,389 85	51,610 15
Repairing and altering heating plant,	1903, .	10,000	9,508 47	-	9,508 47	-	-	9,508 47	9,966 63	33 37
Furnishing men's infirmary,	1904, .	6,500	-	-	-	\$912 50	-	912 50	912 50	5,587 50
Finishing women's infirmary,	1904, .	3,500	895 75	-	895 75	-	-	895 75	895 75	2,604 25
Constructing and repairing sidewalk, purchasing and installing telephones and clocks.	1904, .	2,800	-	-	-	-	-	-	-	2,800 00
Totals,	-	\$106,800	\$23,794 07	\$1,182 53	\$23,794 07	\$912 50	\$164 62	\$26,053 72	\$43,018 00	\$63,782 00

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1904.

Live stock on farm,	\$9,303 75
Produce of farm on hand,	10,740 37
Carriages and agricultural implements,	3,200 00
Machinery and mechanical fixtures,	17,750 00
Beds and bedding in inmates' department,	16,000 00
Other furniture in inmates' department,	9,000 00
Personal property of State in superintendent's department,	10,000 00
Ready-made clothing,	1,811 18
Dry goods,	3,152 11
Provisions and groceries,	7,640 66
Drugs and medicines,	550 00
Fuel,	8,098 10
Library,	1,300 00
Other supplies undistributed,	338 82
	<hr/>
	\$98,884 99

STATISTICAL TABLES.

[FORM PRESCRIBED BY STATE BOARD OF INSANITY.]

STATISTICAL TABLES.

[Fifty-nine cases who were committed to the hospital but were not admitted in person figure in many of the following tables. They were inmates of various almshouses, who were committed for the purpose of being transferred to the custody of the State Board of Insanity, and were dismissed to remain in the almshouse. Some of them were later admitted to the hospital by "transfer."]

I. — General Statistics of the Year.

	INSANE.			VOLUNTARY.			HABITUAL DRUNKARDS.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1903,	344	343	687							346	346	692
Admitted within the year,	206	186	392							206	186	392
Viz.: by commitment,	188	172	360							188	172	360
by transfer,	17	14	31							17	14	31
from escape,	1	—	1							1	—	1
from visit,	—	—	—							—	—	—
Whole number of cases within the year,	550	530	1,080							552	532	1,084
Dismissed within the year,	197	132	329	2	1	3	1	1	1	199	133	332
Viz.: discharged,	64	63	127							64	63	127
as recovered,	12	15	27							12	15	27
as much improved,	13	16	29							13	16	29
as improved,	19	19	38							19	19	38
as not improved,	20	13	33							20	13	33
died,	37	28	65							37	28	65
transferred,	79	35	114							79	35	114
escaped,	6	—	6							6	—	6
on visit,	11	5	16							11	5	16
Patients remaining Sept. 30, 1904,	353	398	751							355	399	752
Viz.: supported as State patients,	306	332	638							306	332	638
as private patients,	47	66	113							47	67	114
Number of different persons within the year,	537	520	1,057	2	1	3	1	1	1	539	522	1,061
Number of different persons admitted,	192	176	368							192	176	368
Number of different persons admitted by commitment,	176	162	338							176	162	338
by transfer,	16	14	30							16	14	30
Number of different persons recovered,	12	15	27							12	15	27
Daily average number of patients,	365	387.6	732.6							365	388.6	733.6
Viz.: State patients,	317	309.1	626.1							317	309.1	622.1
private patients,	48	58.5	106.5							48	59.5	107.5

2. — *Insane received on First and Subsequent Admissions.*

NUMBER OF ADMISSIONS.	CASES ADMITTED.		
	Males.	Females.	Totals.
First,	154	150	304
Second,	38	28	66
Third,	6	1	7
Fourth,	4	3	7
Fifth,	—	4	4
Sixth,	1	—	1
Seventh,	1	—	1
Eighth,	1	—	1
Total cases,	205	186	391
Total persons,	192	176	368
Never before in any hospital for insane, .	141	141	282

3. — *Nativity and Parentage of Insane Persons first admitted to Any Hospital.*

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.
Massachusetts,	55	27	21	53	24	20	108	51	41
Other New England States,	15	16	15	13	9	10	28	25	25
Other States,	11	7	12	6	8	6	17	15	18
Total native,	81	50	48	72	41	36	153	91	84
Other countries : —									
Austria,	3	3	3	1	1	1	4	4	4
Bulgaria,	1	1	1	—	—	—	1	1	1
Canada,	13	15	15	18	19	20	31	34	35
England,	6	6	5	5	5	6	11	11	11
France,	2	2	2	—	—	—	2	2	2
Germany,	4	3	3	8	7	7	12	10	10
Ireland,	22	31	32	26	36	39	48	67	71
Italy,	—	—	—	—	1	1	—	1	1
Poland,	2	2	2	2	2	2	4	4	4
Russia,	3	3	3	3	3	3	6	6	6
Scotland,	3	3	5	3	4	5	6	7	10
Sweden,	—	—	—	3	3	3	3	3	3
Switzerland,	—	—	—	—	1	1	—	1	1
Total foreign,	59	69	71	69	82	88	128	151	159
Unknown,	1	22	22	—	18	17	1	40	39
Totals,	141	141	141	141	141	141	282	282	282

4. — *Residence of Insane Persons admitted by Commitment.*

PLACES.	FIRST ADMITTED TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Hampshire County,	27	33	60	11	4	15
Hampden County,	68	69	137	21	16	37
Berkshire County,	33	29	62	7	7	14
Franklin County,	12	10	22	8	3	11
Worcester County,	—	—	—	—	1	1
Totals,.	140	141	281	47	31	78
Unknown,	1	—	1	—	—	—
Totals,.	141	141	282	47	31	78
Cities and towns,	98	102	200	25	17	42
Country districts,	43	39	82	22	14	36
Totals,.	141	141	282	47	31	78

5. — *Civil Condition of Insane Persons first admitted to Any Hospital.*

	Males.	Females.	Totals.
Unmarried,	58	60	118
Married,	56	48	104
Widowed,	23	33	56
Divorced,	4	—	4
Unknown,	—	—	—
Totals,	141	141	282

6. — *Occupation of Insane Persons first admitted to Any Hospital.*

MALES.

Artist,	1	Mechanic,	1
Bartenders,	5	Merchant,	1
Blacksmith,	1	Millwrights,	2
Carpenters,	5	Moulder,	1
Cigar maker,	1	Operatives,	20
Clerk,	1	Printers,	2
Clergyman,	1	" Magic healer,"	1
Conductor,	1	Real estate agent,	1
Druggist,	1	Salesman,	1
Farmers,	9	Shoemakers,	2
Farm laborers,	6	Steam fitter,	1
Gardeners,	2	Stone cutters,	2
Harness maker,	1	Teamsters,	3
Hostler,	1	Watchmen,	2
Insurance agent,	1	Whip maker,	1
Janitor,	1	Wire weaver,	1
Laborers,	13	No occupation,	41
Lawyer,	1	Total,	140
Locomotive fireman,	1	Unknown,	1
Machinists,	4	Total,	141

FEMALES.

Companion,	1	Student,	1
Domestics,	19	Teacher,	1
Housekeepers,	9	Waitress,	1
Nurses,	2	No occupation,	58
Operatives,	12	Total,	105
Saleswoman,	1		

6. — *Occupation of Insane Persons first admitted to Any Hospital*
— Concluded.

WIFE OF —

Baker,	1	Mill overseer,	1
Carpenter,	1	Laborer,	8
Cigar maker,	1	Operative,	8
Decorator,	1	Peddler,	1
Farmer,	6	Physician,	1
Grocer,	1	Salesman,	2
Mason,	1	Tailor,	1
Merchant,	1	Total,	36
Mechanic,	1		

7. — *Probable Causes of Mental Disease in Persons first admitted to Any Hospital.*

EXCITING CAUSES.	ADMITTED.			PREDISPOSING CAUSES.								
	Males.	Females.	Totals.	HEREDITARY TENDENCY.			NEUROTIC TENDENCY.			IN-TEMPERANCE.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Total.
Cerebral hemorrhage,	1	4	5	-	-	-	-	-	-	-	-	-
Cerebral meningitis,	-	2	2	-	-	-	-	-	-	-	-	-
Congenital,	12	12	24	-	-	-	3	2	5	-	2	2
Drug habits,	2	-	2	-	-	-	-	-	-	-	-	-
Epilepsy,	2	4	6	-	-	-	-	-	-	-	3	3
Excessive venery,	1	-	1	-	-	-	1	-	1	-	-	-
Heredity,	14	26	40	14	26	40	-	3	3	-	1	1
Heredity and drugs,	-	2	2	-	2	2	-	1	1	-	-	-
Heredity and injury,	-	-	-	-	-	-	-	-	-	-	-	-
Heredity and intemperance,	3	-	3	3	-	3	-	-	-	3	-	3
Heredity and menopause,	-	2	2	-	2	2	-	-	-	-	-	-
Heredity and puerperium,	-	5	5	-	5	5	-	1	1	-	-	-
Heredity and senility,	2	3	5	2	3	5	-	-	1	-	-	-
Illness,	2	5	7	-	-	-	1	-	-	-	-	-
Injury to head,	1	-	1	-	-	-	-	-	-	-	-	-
Intemperance,	30	12	42	-	-	-	-	1	1	30	12	42
Intemperance and cigarettes,	1	-	1	-	-	-	-	-	-	1	-	1
Intemperance and drugs,	1	1	2	-	-	-	-	-	-	1	1	2
Intemperance and injury,	2	-	2	-	-	-	-	-	-	2	-	2
Intemperance and menopause,	-	1	1	-	-	-	-	-	-	-	1	1
Intemperance and senility,	1	-	1	-	-	-	-	-	-	1	-	1
Intemperance and syphilis,	1	-	1	-	-	-	-	-	-	1	-	1
Menopause,	-	9	9	-	-	-	-	-	-	-	-	-
Multiple sclerosis,	1	-	1	-	-	-	-	-	-	-	-	-
Puerperium,	-	6	6	-	-	-	-	-	-	-	-	-
Senility,	12	13	25	-	-	-	-	-	-	-	-	-
Syphilis,	4	1	5	-	-	-	-	1	1	-	-	-
Unknown,	32	19	51	-	-	-	4	1	5	-	-	-
Committed but not admitted,	16	14	30	-	-	-	-	-	-	-	-	-
Totals,	141	141	282	19	38	57	9	10	19	39	20	59

9. — Probable Duration of Mental Disease before Admission.

PREVIOUS DURATION.	FIRST ADMITTED TO ANY HOSPITAL.		
	Males.	Females.	Totals.
Congenital,	14	18	32
Under 1 month,	27	15	42
From 1 to 3 months,	7	6	13
3 to 6 months,	13	6	19
6 to 12 months,	8	15	23
1 to 2 years,	16	13	29
2 to 5 years,	18	18	36
5 to 10 years,	7	11	18
10 to 20 years,	6	13	19
Over 20 years,	3	8	11
Totals,	119	123	242
Unknown,	22	18	40
Totals,	141	141	282
Average known duration in years,	3.22	4.62	3.92

10. — *Form of Mental Disease in Persons admitted or discharged, with Condition on Discharge.*

FORM OF DISEASE.	CASES ADMITTED.			CASES DISCHARGED.												AGGREGATES.	
	Males.	Females.	Totals.	RECOVERED.		MUCH IMPROVED.		IMPROVED.		NOT IMPROVED.		DIED.		Totals.	Males.	Females.	Totals.
Λ — First admitted to any hospital: —																	
Insane: —																	
Acute alcoholic insanity,	7	3	10	7	2	9	—	1	—	—	—	1	—	3	11	3	14
Acute delirium,	—	3	3	—	—	—	—	—	—	—	—	—	—	—	1	2	3
Chronic alcoholic insanity,	16	5	21	—	—	—	—	2	—	—	—	—	—	3	7	2	9
Dementia,	7	6	13	—	—	—	—	1	—	—	—	—	—	1	2	1	3
Dementia, praecox, hebephrenic form,	20	14	34	—	—	—	—	5	—	—	—	—	—	4	7	10	17
Dementia,	1	6	7	—	—	—	—	—	—	—	—	—	—	1	2	3	4
catatonie form,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
paranoid form,	4	4	8	—	—	—	—	2	—	—	—	—	—	3	2	5	7
Epilepsy,	2	4	6	—	—	—	—	1	—	—	—	—	—	2	2	3	5
Evolution psychosis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Huntington's chorea,	1	8	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Male-depressive insanity, depressed form,	10	20	30	—	—	—	—	5	—	—	—	—	—	3	5	15	20
maniacal form,	6	6	12	1	2	3	—	1	—	—	—	—	—	1	4	7	12
mixed form,	2	4	6	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Mental deficiency,	16	19	35	—	—	—	—	1	—	—	—	—	—	2	1	4	8
Organic dementia,	3	5	8	—	—	—	—	—	—	—	—	—	—	—	2	3	5
Paranoia,	2	4	6	—	—	—	—	—	—	—	—	—	—	—	1	4	5
Paresis,	11	1	12	—	—	—	—	1	—	—	—	—	—	1	9	2	14
Senile dementia,	13	15	28	—	—	—	—	1	—	—	—	—	—	4	8	12	20
Senile melancholia,	2	—	2	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Not insane: —																	
Habitual drunkard,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Morphine habit,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Committed but not admitted to hospital,	16	14	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total Λ,	141	141	282	8	12	20	9	15	24	14	13	27	31	58	80	76	156

11. — Discharges of the Insane, classified by Admission and Result.

NUMBER OF THE ADMISSION.			RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			DIED.			TOTALS.		
			Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	.	.	10	13	23	9	15	24	15	14	29	18	13	31	33	27	60	85	82	167
Second,	.	.	1	2	3	2	-	2	3	4	7	2	1	3	4	1	5	12	8	20
Third,	.	.	-	-	-	-	1	1	1	1	2	-	-	-	-	-	-	1	2	3
Fourth,	.	.	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Seventh,	.	.	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
Eighth,	.	.	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
Total cases,	.	.	12	15	27	13	16	29	19	19	38	20	13	33	37	28	65	101	92	193
Total persons,	.	.	12	15	27	13	16	29	19	19	38	20	13	33	37	28	65	101	92	193
First admitted to any hospital,	.	.	8	12	20	9	15	24	13	13	26	18	9	27	31	27	58	79	76	155

12. — Causes of Death and Form of Mental Disease in Persons who died.

	ACUTE ALCOHOLIC INSANITY.			ACUTE DELIRIUM.			CHRONIC ALCOHOLIC INSANITY.			DEMENTIA.			DEMENTIA PRECOX.			EPILEPSY.			INVOLUTION PSYCHOSIS.			MANIC-DEPRESSIVE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Bronchial pneumonia,	1		1	1		1				1		1												
Cerebral hemorrhage,																								
Cerebritis,				1		1																		
Cirrhosis of the liver,				1	1	2	1		1															
Cystic degeneration of the kidney,					1	1																		
Endocarditis,														1	1				1	1				
Enteritis,																								
Epilepsy,																						2		2
Exhaustion of chronic brain disease,																								
Fatty degeneration of the heart,		1	1										1		1									
General tuberculosis,													1		1									
Hypostatic pneumonia,	1		1																					
Intestinal obstruction,																								
Lobar pneumonia,	1		1				1	1	2							1								
Myocarditis and senility,	1		1							1	1													
Periculous anemia,																						1	1	2
Pulmonary gangrene,																						1		1
Pulmonary tuberculosis,																						1	1	2
Paresis,																								
Rupture of coronary artery,										1														
Senility,																								
Septicæmia from cystitis,																								
Traumatic septicæmia,																								
Typhoid fever,																								
Totals,	2	1	3	1	2	3	1		5	4	1	4	1	3	4	1	2	3		2	2	6	2	8

12. — Causes of Death and Form of Mental Disease in Persons who died — Concluded.

	MENTAL DEFICIENCY.			ORGANIC DEMENTIA.			PARANOIA.			PARESIS.			SENILE DEMENTIA.			SENILE MELANCHOLIA.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Bronchial pneumonia,																			2	1	3
Cerebral hæmorrhage,				1		1	1		1				1		1				3	2	5
Cerebritis,					1	1							1	1	2				1	1	2
Cirrhosis of the liver,																			1	1	2
Cystic degeneration of the kidney,																			1	1	2
Endocarditis,					1	1													2	3	5
Enteritis,																			1	1	2
Epilepsy,																			1	2	3
Exhaustion of chronic brain disease,																			1	1	2
Fatty degeneration of the heart,																			1	1	2
General tuberculosis,																			1	1	2
Hypostatic pneumonia,																			1	1	2
Intestinal obstruction,																			1	1	2
Lobar pneumonia,							1		1				1		1				3	1	4
Myocarditis and senility,													3	1	4				4	2	6
Pernicious anemia,																			1	1	2
Pulmonary gangrene,																			1	1	2
Pulmonary tuberculosis,																			2	2	4
Paresis,							9	2	11										9	2	11
Rupture of coronary artery,																			1	1	2
Senility,					1	1							1	3	4				1	4	5
Septicæmia from cystitis,													1	1	2				1	1	2
Traumatic septicæmia,	1	1	2																1	1	2
Typhoid fever,																			1	1	2
Totals,	1	2	3	1	3	4	1	2	12	10	2	15	7	8	15	1	1	1	37	28	65

13. — *Duration of Mental Disease, and its Treatment in Persons who recovered or died.*

	FIRST ADMITTED TO ANY HOSPITAL.						ALL OTHER ADMISSIONS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A — Recoveries:—												
Under 1 month, . . .	5	4	9	3	—	3	2	—	—	1	—	1
From 1 to 3 months, . .	3	2	5	3	6	9	4	3	7	—	1	1
3 to 6 months, . . .	—	3	3	2	5	7	1	4	5	—	1	2
6 to 12 months, . . .	—	3	3	—	1	1	1	5	6	—	2	1
1 to 2 years, . . .	—	—	—	—	—	—	—	—	—	2	—	2
2 to 5 years, . . .	—	—	—	—	—	—	—	—	—	—	—	—
5 to 10 years, . . .	—	—	—	—	—	—	—	—	—	1	—	—
10 to 20 years, . . .	—	—	—	—	—	—	—	—	—	—	—	—
Over 20 years, . . .	—	—	—	—	—	—	—	—	—	—	—	—
Totals, . . .	8	12	20	8	12	20	8	12	20	4	3	7
Unknown, . . .	—	—	—	—	—	—	—	—	—	—	—	—
Totals, . . .	8	12	20	8	12	20	8	12	20	4	3	7
Average of known cases in months, . .	.75	2.8	2.7	1.8	3.1	2.6	2.6	6.0	4.6	10.5	7.0	11.4

13. — Duration of Mental Disease, and its Treatment in Persons who recovered or died — Concluded.

	FIRST ADMITTED TO ANY HOSPITAL.						ALL OTHER ADMISSIONS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
B. — Died: —												
Under 1 month, . . .	4	5	9	10	7	17	1	2	3	—	—	—
From 1 to 3 months, . . .	1	1	2	3	3	6	1	2	3	—	—	—
3 to 6 months, . . .	3	1	4	7	3	10	4	—	4	1	—	—
6 to 12 months, . . .	1	2	3	1	5	6	1	3	4	—	—	—
1 to 2 years, . . .	7	1	8	2	1	3	5	1	6	—	—	—
2 to 5 years, . . .	8	6	14	3	5	8	8	4	12	2	—	—
5 to 10 years, . . .	2	1	3	4	2	6	2	3	5	—	—	—
10 to 20 years, . . .	1	4	5	1	1	2	5	6	11	1	1	2
Over 20 years, . . .	2	3	5	—	—	—	2	3	5	—	—	—
Totals, . . .	29	24	53	31	27	58	29	24	53	6	1	7
Unknown, . . .	2	3	5	—	—	—	2	3	5	—	—	—
Totals, . . .	31	27	58	31	27	58	31	27	58	6	1	7
Average of known cases in months, . . .	64.8	103.2	82.2	28.3	22.2	25.4	94.8	123.1	107.4	326.3	468.0	346.5
										197.3	132.0	188.0

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FIFTIETH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON INSANE HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1905.



BOSTON :

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1906.

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JULY 30 1881

STATE HOUSE BOSTON
Office of Clerk,

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OFFICERS

OF THE

NORTHAMPTON INSANE HOSPITAL.

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HENRY P. FIELD, <i>Secretary</i> ,	NORTHAMPTON.
CHARLES S. SHATTUCK,	HATFIELD.
ALVAN BARRUS, <i>Chairman</i> ,	GOSHEN.
SARAH A. WOODWORTH,	CHICOPEE.
CAROLINE A. YALE,	NORTHAMPTON.

Resident Officers.

JOHN A. HOUSTON, M.D.,	<i>Superintendent.</i>
HARRIET M. WILEY, M.D.,	<i>Assistant Physician.</i>
CHARLES H. DEAN, M.D.,	<i>Assistant Physician.</i>
GRACE E. B. RICE, M.D.,	<i>Assistant Physician.</i>
EDWARD W. WHITNEY, M.D.,	<i>Assistant Physician.</i>
LEWIS F. BABBITT,	<i>Clerk.</i>
SUSAN E. WARREN,	<i>Matron.</i>
JOHN MERCIER,	<i>Farmer.</i>
GEORGE T. GILBERT,	<i>Engineer.</i>

Treasurer.

LEWIS F. BABBITT,	NORTHAMPTON.
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Office at the Hospital.

Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton Insane Hospital present herewith their report of the operations of the hospital for the fiscal year ending Sept. 30, 1905, submitting with it the superintendent's report and the financial statement of the treasurer.

Stated meetings of the Board have been held regularly each month, and there have been frequent visits to the hospital by individual members of the Board.

We have always found the different departments in good order, and the patients well cared for. The unusually large number of admissions and discharges has entailed much extra work on officers, nurses and employees, but affairs have progressed smoothly.

Reference is made in the superintendent's report concerning the management of affairs and statistics about the patients.

The treasurer's report shows that the weekly per capita cost was \$3.57, — 21 cents less than it was last year.

A great deal of new work and of repairs has been done during the year. The men's infirmary, which was in process of construction at the time of our report last year, has been completed within the amount appropriated, by the exercise of close economy and by utilizing the resources of the hospital and the help of many patients. The result is a building in which we take much pride, and which we think will be a credit to the Commonwealth.

The Legislature of 1905 appropriated \$5,500 for the purchase of land adjoining the hospital property, between Earle and Grove streets. We have purchased this land, about seven acres in all. This will afford easy access to our coal tracks on the New York, New Haven & Hartford Railroad, and we expect to ask for an appropriation to extend a spur track from the railroad to the hospital buildings over this land, if it shall prove feasible and economical. The matter is now under discussion with the railroad authorities and with men experienced in such matters.

There are three houses on the land thus purchased, which are at present bringing rental to the hospital at the rate of about 4 per cent. of the cost of the property.

The Legislature also appropriated \$4,000 for the purchase of a new engine and electric generator. The old engine has been sold and removed, and we hope to have the new one in place before long.

An appropriation for the coming year will be needed for a larger water pipe, to replace the main pipe which now serves the hospital, which is too small for our present needs. We are not prepared to state the amount required for this purpose, because we have not yet agreed with the water commissioners of Northampton as to the proposed location of the new pipe, but we hope to reach an agreement by the time the Legislature meets.

We shall also ask for an appropriation of \$2,500 to build a fireproof shop for the painters. Their shop at present is in the basement under one of the wards, where there is little light and room, and where there is considerable danger because of the combustible nature of the materials used.

We agree with the superintendent that the word "insane" in the title of the hospital is objectionable and unnecessary, and we respectfully ask the Legislature to change the official title of the hospital to the Northampton State Hospital.

Several changes have occurred in our medical staff. Dr. Arthur B. Moulton resigned in December, 1904, to enter the service of the Pennsylvania Railroad Company. Dr. Edward W. Whitney, who was graduated from the Harvard Medical School and who had served nearly two years at the Boston City

Hospital, was appointed to fill the vacancy. He began his service here in July, 1905.

In November Dr. Grace E. B. Rice, who had served one year acceptably as medical interne, was appointed to a permanent place on the staff.

In closing our report, we once more express our confidence in the administrative officers of the hospital and our satisfaction with the management of its affairs.

F. W. CHAPIN, M.D.

WILLIAM D. MACINNES.

HENRY P. FIELD.

CHARLES S. SHATTUCK.

ALVAN BARRUS.

SARAH A. WOODWORTH.

CAROLINE A. YALE.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Insane Hospital.

I hereby respectfully submit my report of the operations of the hospital for the year ending Sept. 30, 1905.

On Oct. 1, 1904, there were 752 patients in the hospital; 401 were admitted during the year, 303 were discharged and 79 died, leaving 771 at the end of the year.

The whole number under treatment was 1,153; the daily average number was 794; the largest number on any one day was 847.

The changes in our population were more numerous this year than in any previous year, due to the transfer of 120 patients from almshouses to this hospital, and the removal of 145 patients from this hospital to other hospitals in this State.

In comparing the statistical tables accompanying this report with similar table of former years, the admission and discharge of so many chronic cases should be borne in mind.

ADMISSIONS.

Of the 401 admissions, 199 were men and 202 were women. Three hundred were admitted by commitment, 95 by transfer, 2 from escape, 1 from visit and 3 by voluntary commitment. Two hundred and twenty-six had never before been inmates of any hospital for insane, 138 had previously been inmates of this hospital and 37 of this and other hospitals.

Ninety-eight of the persons admitted were born in Massachusetts, 91 were foreign born and 130 were of foreign parentage.

DISCHARGES.

Three hundred and eighty-two patients were dismissed during the year. Of these, 34 were considered recovered at the time of leaving the hospital, 34 much improved, 30 improved, 25 not improved; 79 died and 145 were transferred to other institutions, — 97 to the State Colony for Insane at Gardner,

41 to the Medfield Insane Asylum, 5 to the Massachusetts Hospital for Epileptics and 2 to the Worcester Insane Asylum. One was committed to the School for Feeble-minded at Waverley and 10 were removed from the State, having no settlement here. Nine were boarded out by the State Board of Insanity.

A common way of estimating the good work of a hospital is by the number of recoveries, — by the percentage of recoveries to the number of admissions, to the number of discharges or to the whole number under treatment; but this is fallacious, because it does not take into consideration anything except mere numbers, not taking into account the nature of the cases admitted and under treatment.

In our admissions of the past year there were no recoverable cases among those transferred from the almshouses. We do not get recoveries from congenital cases, or from cases of epilepsy, of paranoia, of general paresis, of senility and of dementia. More than 300 of the admissions were of these forms of mental disease.

The duration of the insanity before admission and the age of the patient affect the prospect of recovery to a marked degree. Year after year the table giving the duration of insanity before admission of those who recover shows that by far the greater number of patients who have recovered have been insane less than six months. Of the admissions this year, there were 259 who had been insane six months or more, and 150 had been insane more than five years. Sixty-nine of the persons admitted were more than sixty years of age.

The percentage of deaths to the whole number under treatment was 6.78, about the average for several years past. Seven of these were of the patients who were transferred from almshouses within the year. The principal causes of death were senility in 17 cases, cerebral hemorrhage in 10 cases, general paresis in 9 cases, endocarditis in 8 cases, carcinoma in 7 cases, pulmonary tuberculosis in 5 cases. The average age of those who died was sixty years; 43 who died were over sixty years of age, 25 were over seventy years of age, 11 were over eighty years of age.

The average duration of insanity in persons who died was nineteen years, and their average length of hospital residence was nine years.

One hundred and thirty patients were allowed to leave the hospital on trial visit; of these, all but 17 were able to remain away from the hospital. The length of these temporary absences, or "visits," which a superintendent may allow has been sixty days. In May of this year the Legislature increased their length to six months. I believe this will prove of much benefit, as stated in the report of last year.

Another important act of the Legislature was the granting to the trustees of the State hospitals the privilege of boarding patients in suitable families, if they consider it expedient, the patients to remain under their supervision, and to be deemed inmates of the hospital. This will give much more freedom to many patients, and in doubtful cases will give patients an opportunity of showing whether they can get along without hospital restraint. It will also help them to be partly or wholly self-supporting. We have boarded out a few under the new law, but it was enacted so late in our hospital year, and the State Board of Insanity had previously taken so many away to board out, that the number has necessarily been small. It does not seem to me that the number of such cases will ever be large in any one year, in this hospital, at least, because we have always made it a practice to induce the friends of patients who would be suitable for boarding out to take them to their own homes. Thus the ones here who will be benefited by the law are those who do not need hospital care, but who do need some supervision, and yet cannot get along well at home.

Another act passed by this year's Legislature, deserving mention, extends the privilege of voluntary commitment to insane persons who are competent to make application therefor. Heretofore this privilege has been limited to those whose mental condition was not such as to make it legal to grant a certificate of insanity in their cases. It is not to be expected that many patients will avail themselves of this privilege; yet a few insane people realize their need of treatment, and it is not unusual for me to receive applications for the admission of such patients to the hospital. Some persons will come voluntarily, when they would consider it a stigma to be committed by order of the court. Whatever will tend to remove this feeling of stigma attached to treatment in a hospital for the insane will promote its usefulness. In this connection I suggest that, inasmuch as

there has always been a great dislike by patients and their relatives and friends to the term "insane," as applied to State hospitals, and because the word serves no useful purpose in the title of the hospital, your Board request the Legislature to change the name of this hospital to the Northampton State Hospital.

TRAINING SCHOOL.

The work of the training school has continued throughout the year without interruption. There were one hundred and twenty recitations and demonstrations, and forty-eight lectures. Three of the graduates of last year took a post-graduate course of lectures throughout the year. Three nurses were graduated: Daisy R. Colton, Florence M. Hutt and Winnie A. Martin. There are thirty nurses in the classes for the coming year. Arrangements have been made to give a course of lessons in cooking for invalids, one lesson each week for sixteen weeks, conducted by Miss Baer of the Home Culture Clubs of Northampton.

EMPLOYMENT, REPAIRS AND IMPROVEMENTS.

Patients have been occupied as usual on the farm, in the shops, with the mechanics, in the laundry, kitchen, bakery, sewing room and other departments. It is our endeavor to have some occupation for every patient who is able to work.

We have been very busy throughout the year with repairs and improvements. The most important piece of work has been the completion of the infirmary for men, which was occupied the last of September by forty patients and several nurses. The building will be ready for its full complement of patients and nurses before November. The wards and rooms of this building are very bright and cheerful, and the building is found to be admirably adapted to the care of the sick and infirm.

The house at the entrance of the hospital grounds, occupied by our head farmer, has been clapboarded and painted and a new furnace put in.

A small addition to the main barn has been built, of brick to the height of the main floor level, and of wood above. Below is an entrance to the lower floor of the barn, and above is an office for the head farmer.

New sidewalks of Portland cement have been built in front of the main building by our own employees and patients, and

many square yards of flooring of the same material have been laid in the basement corridors leading to the infirmary wards for men and women. An asphalt walk has been laid in front of the cold-storage building and to the horse stable. The arches over the new coal bunkers constructed last year have been covered with asphalt, and the main sidewalk in front of the hospital was repaired. Sewers, one thousand feet in all, to carry away the roof water from the men's infirmary, were laid, also an underground line of electric wires for the same building. A new line of water pipe was laid to the farmers' ward, and a standpipe was erected inside, with two stations supplied with fire hose. A new line of water pipe two hundred feet long was extended to the cow barns.

Three fire hydrants in front of the hospital were relocated, to place them in positions more favorable for the protection of the new buildings at each end of the hospital. One of these hydrants is fitted with a connection for a steam fire engine. In the rear an additional hydrant was located at the north-west corner of the group of buildings, affording protection to the back side of the men's infirmary. A new line of pipe was laid connecting the line supplied by our steam pump with the line of pipe supplying the hydrant in the rear near the engine room and the one at the barns, so that now all hydrants around the building can be operated either by the pressure of the city system or by our fire pump.

The digging of the trenches for all the above-mentioned changes has been done by patients. In all, eighteen hundred linear feet were excavated.

Two fire-escapes were erected, one at the west end of the third halls on the north wing, and one at the west end of the dormitory for women employees.

A plan of the hospital, with all its additions of recent years, has been made, in which is laid out in different colored inks all the underground systems of water pipes, fire lines, sewers, pipes for surface and roof water, steam pipes and returns, and electric wires. This plan is drawn to scale, so that it will be very easy to locate any part of the various systems, gates, branches, junctions, etc.

The steam returns from the heating stacks of the first and

second halls north and south have been changed. Instead of running underground, they are now laid in the air duct formerly used for ventilation. This affords easy access to them, and by the separation of them from the returns from the third halls better circulation of steam will be established in all the heating stacks.

A new system of telephones has been installed, which has given great satisfaction. There are fifty stations, each one of which is arranged to connect with several others most commonly needed, varying from four to twenty, independently of the central station.

A new engine lathe was put into the pipe shop, and an electric motor was installed to operate the lathe and pipe-cutting machinery. We now have seven electric motors in operation, which have enabled us to dispense with much shafting and belting and much unnecessary running of machinery.

In the carpenter's shop several hundred window screens, thirty tables and many other articles have been made, besides the repairing of many broken pieces of furniture. Much of this repair work has been done by patients.

All the tin ware in use has been made here, most of it by patients, and all the galvanized-iron work in connection with the heating and ventilating of the new building for men.

Besides these, there have been many repairs of minor importance not necessary to name.

RELIGIOUS SERVICES AND ENTERTAINMENTS.

There has been preaching on each Lord's Day by some one of the clergymen of this vicinity, to whom we extend our thanks for their kindness.

There have been one hundred and sixty-one assemblies of patients for amusement and instruction as follows: October 13, training school graduating exercises; November 2, violin and song recital, Misses Jones, Adams, Steele and Mr. Steele; November 7, songs and readings, Mr. Taggart; November 15, readings, Miss Baillie; November 18, amateur theatricals, "The Reprobates," Canoe Club of Hatfield; November 26, readings, from "David Harum," Mr. Howell; December 13, musicale, Mr. and Mrs. Wheeler; December 19, musicale, by patients and

nurses; December 26, Christmas tree; January 3, readings, Mrs. Smith and Miss Barrus; January 23, legerdemain, Mr. Martin; February 22, "Washington's Birthday" party; March 13, phonograph concert, Mr. Ellsworth; April 5, moving pictures, Mr. Hamilton; April 18, songs and readings, Mr. Reynolds; April 21, Amherst College Glee and Banjo Club; April 26, amateur theatricals, "Men, Maids and Matchmakers," Guild of Unity Church of Amherst; April 29, readings, Miss Harvey; May 31, whist party; July 4, fireworks; September 9, readings, Mrs. Smith and Miss Barrus; September 25, phonograph concert, Mr. Ellsworth. In addition to these, there have been fifty-six evenings of readings by some member of the staff, with music by the hospital choir, and twenty-five dances and eight stereopticon lectures.

ACKNOWLEDGMENTS.

Many friends of the hospital continue to remember us in various ways and by various gifts. Their kindness is always very thankfully appreciated. During the past year we have received gifts from the following persons: fruit, candy and Christmas tree trimmings, from Mr. A. R. Thatcher of Haydenville; presents for Christmas tree, and fruit, from Mr. T. Beardsley of Springfield; presents for the Christmas tree, from the Misses Eastman of South Hadley; money for Christmas, from Mrs. W. T. Parker of Springfield; money for Christmas, from Mrs. J. L. Egbert of Springfield; money, from Mrs. Patrick Quinn of Northampton; magazines and papers, from Mr. F. S. Pomeroy of Northampton; magazines, from Mrs. L. D. James of Williamsburg; magazines and papers, from Mr. S. E. Bridgman of Northampton; magazines, from Mr. Thomas B. Ewings of Northampton; magazines and papers, from Mr. A. R. Thatcher of Haydenville; magazines and papers, from the teachers of Clarke School for the Deaf, Northampton; papers and magazines, and subscription to "Harper's Weekly," from Miss Austin of Peterboro, N. H.; the "Christian Register," "Dumb Animals" and "Berkshire County Eagle" have been received regularly and much enjoyed.

JOHN A. HOUSTON.

DIETARY OF THE NORTHAMPTON INSANE HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about three hundred persons, and the second to those of somewhat over three hundred. In addition to these, about 190 quarts of egg and milk are taken through the wards between meals and at bed time, and distributed to the old, the feeble and the convalescent classes.]

BILL OF FARE No. 1.

BREAKFAST.

- Monday.* — Tea, oatmeal, coffee, broiled beefsteak or eggs, potatoes, warm rolls ("biscuit"), bread and butter.
- Tuesday.* — Tea, coffee, oatmeal, fried tripe,* potatoes, warm rolls, bread and butter.
- Wednesday.* — Tea, coffee, oatmeal, broiled beefsteak or eggs, potatoes and warm brown (rye and Indian) bread.
- Thursday.* — Tea, coffee, oatmeal, broiled beefsteak, potatoes, warm rolls, bread and butter.
- Friday.* — Tea, coffee, oatmeal, fried tripe,* potatoes, warm rolls, bread and butter.
- Saturday.* — Tea, coffee, oatmeal, either fried fish-balls or liver, meat hash, hot corn cake, bread and butter.
- Sunday.* — Tea, coffee, oatmeal, eggs, potatoes, warm rolls, bread and butter and fried Indian corn pudding.

DINNER.

- Monday.* — Roast beef, potatoes and one other vegetable,† bread and butter, boiled rice with syrup or sugar.
- Tuesday.* — Vegetable soup, roast or stewed veal,‡ potatoes and one other vegetable,† bread and butter, and baked Indian pudding.
- Wednesday.* — Either roasted or boiled mutton, potatoes and one other vegetable,† bread and butter, and berry or apple pudding, with sauce.§
- Thursday.* — Vegetable soup, corned beef, potatoes and one other vegetable,† bread and butter, and boiled suet pudding, with syrup.

* Tripe is replaced in winter by sausages, and in spring by fried ham and eggs, except in the season of shad, when that fish is given once each week instead of ham and eggs, and once instead of beefsteak.

† At least three vegetables during the summer.

‡ Substituted in winter by fresh pork ribs, roasted.

§ In spring, maple syrup is used as sauce for puddings.

Friday. — Either fried or baked fresh fish,* or stewed or roasted veal, potatoes and one other vegetable,† bread and butter, and tapioca pudding or raisin pudding of either rice, bread or cracker.

Saturday. — Baked beans, corned beef, potatoes and one other vegetable,† pickles, bread and butter, and baked bread pudding.

Sunday. — Stewed mutton, sweet potatoes, warmed baked beans, pickles, bread and butter and pies, the kind varying with the season.

SUPPER.

Monday. — Tea and bread, warm corn cake and butter, hard gingerbread and a relish.‡

Tuesday. — Tea, white bread, graham bread and butter, soft gingerbread and a relish in the warm season, substituted by buckwheat cakes in the cold season.

Wednesday. — Tea, bread and butter, pie (the kind varying with the season) and ginger snaps and a relish.

Thursday. — Tea, bread and butter, cookies and cheese.

Friday. — Tea, bread and butter, cake (the kind varying) and a relish.

Saturday. — Tea, bread and butter, doughnuts and cheese.

Sunday. — Tea, bread and butter, cookies and ginger snaps and blanc-mange or corn starch.

Extra. — In the winter and spring months hulled corn at supper, once in two weeks, on Saturdays.

BILL OF FARE No. 2.

BREAKFAST.

Monday. — Coffee, oatmeal, boiled eggs, potatoes, and bread and butter.

Tuesday. — Coffee, oatmeal, cold roast beef, potatoes, and bread and butter.

Wednesday. — Coffee, oatmeal, meat stew or boiled eggs, potatoes, and warm rye and Indian corn brown bread and butter.

Thursday. — Coffee, oatmeal, pickled codfish cooked in milk, potatoes, and bread and butter.

Friday. — Coffee, oatmeal, cold corned beef or meat stew, potatoes, and bread and butter.

Saturday. — Coffee, oatmeal, hash, either of meat or fish, and bread and butter

Sunday. — Coffee, oatmeal, boiled eggs, potatoes, and bread and butter.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable,† boiled hominy with molasses and bread.

* Substituted by stewed oysters in winter and spring, with some kind of roasted meat for those who prefer it.

† At least three vegetables during the summer.

‡ This term, used for the want of a better, includes dried beef, berries, baked apples, apple sauce and canned fruits, all of which are supplied, and each according to the season.

Tuesday. — Vegetable soup, potatoes and one other vegetable,* baked Indian pudding † and bread.

Wednesday. — Boiled codfish with drawn-butter sauce, potatoes and one other vegetable,* boiled hasty pudding with molasses and bread.

Thursday. — Vegetable soup, potatoes, cabbage or some other vegetable,* boiled rice with molasses ‡ and bread.

Friday. — Boiled fresh fish with drawn-butter sauce, potatoes, beets or some other vegetable,* boiled hasty pudding with molasses and bread.

Saturday. — Hot baked beans, potatoes, baked Indian or bread pudding, pickles and bread.

Sunday. — Cold corned beef, potatoes, pies (the kind varying with the season) and bread.

SUPPER.

Monday. — Tea, bread and butter, and hard gingerbread.

Tuesday. — Tea, bread and butter, and soft gingerbread.

Wednesday. — Tea, bread and butter, cake or ginger snaps, and some kind of relish.

Thursday. — Tea, bread and butter, and cookies.

Friday. — Tea, bread and butter, and soft gingerbread.

Saturday. — Tea, bread and butter, cake or ginger snaps, sauce.

Sunday. — Tea, bread and butter, and cookies.

EXTRAS.

In the winter and spring months, hulled corn at supper on Saturdays.

In August and September these tables are furnished at supper with either berries, tomatoes or baked apples, as many as five times a week.

In eight halls, sauce of either fresh or dried apples is furnished four times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day and on Christmas, with vegetables, celery, cranberry sauce, pudding, pie and cider.

From four to five bushels of green sweet corn in the ear is consumed in its season, daily, with the exception of Sunday.

Strawberries, tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring, cowslips and dandelions are largely used as greens, and horse-radish as a condiment.

During eight months of the year, apples are distributed, daily, among the patients.

Beef tea, chicken broth, mutton broth, scalded milk, arrow-root gruel, oatmeal gruel, milk punch, cracked wheat, oatmeal porridge, dry toast, milk toast, toast with dropped egg and boiled eggs, for invalids and all who are not able to take the regular fare.

* At least three vegetables in the summer.

† All baked puddings for the whole household are made with milk.

‡ Maple syrup is furnished, in place of molasses, three or four times in the spring.

ARTICLES MADE IN SEWING ROOM.

Aprons,	460	Night gowns,	629
Aprons with long sleeves,	3	Nightingales,	8
Bureau covers,	103	Napkins,	72
Caps,	378	Ox blankets,	2
Cloth bags,	146	Pillow cases,	784
Chapel dresses,	16	Pillow ticks,	200
Chemises,	166	Screens,	24
Corset covers,	23	Sheets,	154
Covers for flower beds,	2	Shirts,	804
Curtains,	68	Shirt waists,	13
Curtains, sash,	16	Skirts,	231
Cushion covers,	12	Skirts made over,	3
Dresses,	224	Slings,	24
Drawers,	322	Stand covers,	70
Jumpers,	4	Table cloths,	53
Mattress ticks,	255	Towels,	2,062
Night caps,	48		

UPHOLSTERY DONE IN THE YEAR.

Hair mattresses made, new material,	134
Hair mattresses made, new ticks,	197
Hair mattresses made, old material,	167
Hair pillows made, new material,	87
Hair pillows made, new ticks,	64
Hair pillows made, old material,	78
Lounges upholstered,	6

FARM PRODUCTS.

Apples, 329 barrels, . . .	\$652 50	Hay, first growth, 245	
Asparagus, 42 bushels, . .	96 00	tons,	\$3,430 00
Beef, 4,315 pounds, . . .	193 64	Hay, second growth, 90	
Beets, sugar, 340 bushels, .	102 00	tons,	1,080 00
Beets, 238 bushels, . . .	119 00	Hay for bedding, 4½ tons,	36 00
Beans, string, 126 bushels, .	23 00	Hay (Earle & Jewett), 35	
Beans, Lima, 240 bushels, .	240 00	tons,	490 00
Broom corn, 1,400		Ice, 600 tons,	619 70
bushels,	84 00	Lettuce, 105 bushels, . .	105 00
Broom corn seed, 70		Lumber, 9,000 feet, . .	135 00
bushels,	42 00	Melons, water, 10,000	
Currants, 17½ bushels, . .	35 00	pounds,	100 00
Cabbage, summer, 960		Milk, 235,560 quarts, . .	11,778 00
heads,	38 40	Onions, 500 bushels, . .	275 00
Cabbage, winter, 3,930		Pigs sold, 389,	1,391 06
pounds,	157 20	Pears, 8½ bushels, . . .	17 00
Cauliflower, 120 heads, . .	9 60	Plums, 2½ bushels, . . .	2 50
Carrots, 760 bushels, . . .	304 00	Potatoes, 916 bushels, . .	641 20
Calves, 15,	179 50	Pigs, roast, 10,	20 00
Cucumbers,	66 00	Pease, 98 bushels, . . .	98 00
Celery, 42 dozen,	42 00	Peppers, 2½ bushels, . .	2 50
Citron, 1,900 pounds, . . .	9 50	Parsley, 8 bushels, . . .	8 00
Chicken, 779 pounds, . . .	151 88	Parsnips, 60 bushels, . .	36 00
Cider, 1,120 gallons, . . .	112 00	Pork, 28,196 pounds, . .	1,975 13
Corn, pop, 6 bushels, . . .	12 00	Posts, 130,	26 00
Corn, green, 310 bushels, .	115 00	Quince, 12 bushels, . . .	12 00
Corn, shelled, 350 bushels, .	210 00	Rhubarb, 88 bushels, . .	66 00
Corn stalk, 8 bushels, . . .	40 00	Radishes, 270 bunches, . .	13 50
Ensilage, 300 tons,	10 50	Raspberries, 54 quarts, . .	6 48
Eggplant, 125,	6 25	Rye straw, 4½ tons, . . .	63 00
Eggs, 487 dozen,	136 12	Rent,	90 75
Grapes, 5 barrels,	12 50	Sage, 5 bushels,	5 00

Squash, summer, 148 bushels,	\$74 00	Turnips, English, 230 bushels,	\$69 00
Squash, winter, 28,000 pounds,	280 00	Turnips, Swede, 300 bushels,	240 00
Spinach, 100 bushels, .	75 00	Veal, 743 pounds, . .	94 16
Swiss chard, 290 bushels,	145 00	Wood, 15 cords, . .	45 00
Strawberries, 1,060 quarts,	106 00	Miscellaneous, . . .	35 57
Sand,	55 35		
Tomatoes, 308 bushels, .	279 00		
			<hr/>
			\$28,519 99

Live stock belonging to the hospital : —

Cows,	74	Horses,	15
Heifers,	52	Colts,	2
Bulls,	5	Swine,	230
Yokes of oxen,	10	Fowls,	250
Steers,	7		

OFFICERS AND EMPLOYEES.

[Time employed, Sept. 30, 1905.]

NAMES	Years.	Months.	Days.
John A. Houston, M.D., superintendent, . . .	16	—	7
Harriet M. Wiley, M.D., assistant physician, .	5	7	29
Charles H. Dean, M.D., assistant physician, .	5	4	21
Edward W. Whitney, M.D., assistant physician,	—	2	11
Grace E. B. Rice, M.D., assistant physician, .	1	10	27
Lewis F. Babbitt, clerk and treasurer, . . .	13	11	18
George T. Gilbert, engineer,	3	—	—
John Mercier, farmer,	38	2	—
Susan E. Warren, matron,	11	6	8
Robert H. Gallivan, superintendent of nurses, .	32	5	12
Florence A. Bedell, superintendent of nurses, .	5	9	5
Hattie O. Read, assistant superintendent of nurses,	5	5	25
Lucy A. Gilbert, clothes marker,	37	8	17
George N. Drury, steward,	8	—	—
Mattie G. Jones, secretary to superintendent, .	12	2	11
Mary A. Murren, stenographer,	—	9	—
William J. Moore, assistant steward,	8	11	3
Herbert W. Root, assistant steward,	6	4	22
Herbert E. Walker, baker,	7	6	18
J. E. Cook, assistant baker,	6	7	—
Susie A. Hilton, seamstress,	1	4	2
Margaret Tobin, assistant seamstress,	2	3	19
Maud Badmone, assistant seamstress,	—	2	—
Charles E. Williams, laundryman,	8	—	29
Margaret Sweeney, laundress,	—	7	27
Lillian Ellsworth, laundress,	—	9	11
Nellie Kentfield, laundress,	—	8	29
Marie Lester, laundress,	—	4	13
Fred Aldrich, nurse,	6	5	1
James Lee, nurse,	2	1	19
Burton G. Fiske, nurse,	2	—	6
James Campbelle, nurse,	2	1	16
Hormeda Senecal, nurse,	2	—	9
Edward Wixom, nurse,	1	11	13
John W. Howe, nurse,	1	—	25
Charles H. Rathburn, nurse,	—	10	—
Arthur W. Clark, nurse,	—	10	14
Edward McConville, nurse,	—	7	27
Henry W. Adams, nurse,	—	4	24
Bartholomew Barter, nurse,	—	4	28
Alexander Beaton, nurse,	—	4	17
Lorenzo J. Wile, nurse,	—	2	20
Blair H. Bishop, nurse,	—	2	20

NAMES.	Years.	Months.	Days.
Orrin B Blodgett, nurse,	—	2	12
George D. Mallison, nurse,	—	1	25
Harold McNeal, nurse,	—	1	23
George W Steves, nurse,	—	1	18
Henry Badmone, nurse,	—	1	3
Ewen Rankin, nurse,	—	—	29
Leon Mangue, nurse,	—	—	19
Clarence N. Hibbard, nurse,	—	—	18
Raymond Ormsby, nurse,	—	1	18
Fred R. Noyes, nurse,	—	—	9
Henry R. Noyes, nurse,	—	—	9
Belle McLaurin, nurse,	3	6	10
Alice E. Bedell, nurse,	2	9	28
Winnie A. Martin, nurse,	2	5	5
Florence Hutt, nurse,	2	5	1
Daisy Colton, nurse,	2	5	24
Mabelle Lee, nurse,	2	1	19
Kate Riley, nurse,	1	10	23
Jennie Hart, nurse,	5	2	9
Maggie Rushe, nurse,	1	1	23
Mamie Rushe, nurse,	1	6	8
Nellie E. Marcey, nurse,	1	4	3
Effie Mahy, nurse,	1	2	24
Clara La Due, nurse,	1	—	29
Madelena Rice, nurse,	—	11	15
Elizabeth O'Brien, nurse,	—	10	15
Elizabeth Graham, nurse,	—	10	11
Jennie S. Jones, nurse,	—	10	11
Emily A. Steward, nurse,	—	10	—
Bessie M. Lane, nurse,	—	8	25
Margaret Smith, nurse,	—	8	16
Sadie Brown, nurse,	—	7	28
Lillian Brown, nurse,	—	7	4
Elida Hervieux, nurse,	—	6	9
Margaret Sullivan, nurse,	—	6	—
Alma Colwell, nurse,	—	4	20
Ava R. Allyn, nurse,	—	5	27
Corinne Blodgett, nurse,	—	3	26
Eulalie Lamb, nurse,	—	2	7
Jeanette Tuxbury, nurse,	—	2	—
Helen Murray, nurse,	—	1	15
Mattie Taylor, nurse,	—	1	15
Edith A. Bliss, nurse,	—	—	26
Nina D. Knowlton, nurse,	—	—	19
Margaret G. Beardsworth, usher,	—	2	10
Harriet Briggs, rear housework,	4	1	22
Margaret McCarthy, cook,	—	10	—
Edna Bennett, cook,	2	3	14
Mary Wonson, cook,	—	3	21
Jennie S. Blaborn, employees' dining room,	—	2	10
Gertrude Hilton, dining room,	1	4	2
Edith Ryan, centre housework,	1	10	20
Antola Rogaleski, kitchen girl,	—	5	6
Annie Shonsars, kitchen girl,	—	3	10
Mary Sullivan, kitchen girl,	—	—	2

NAMES.	Years.	Months.	Days.
Walter D. Newton, assistant engineer,	5	8	16
Leroy Kellogg, fireman,	1	8	19
Ellis A. Potter, fireman,	1	5	25
George W. Thorniley, florist,	12	5	11
Sifroi Belleville, carpenter,	34	3	29
Albert De Grandpre, carpenter,	—	8	—
Walter Tower, carpenter,	26	8	—
Victor Rocheleau, carpenter,	1	1	—
Alfred Parenteau, painter,	38	1	17
William S. Nicholls, painter,	3	—	9
Thomas P. Clair, plumber,	7	5	1
Roscoe Tobin, mechanic,	2	10	28
James Ryan, fireman,	2	—	17
Martin Sornborger, mechanic,	1	10	6
Bernard Kilkenny, mechanic,	7	1	12
David Mercier, coachman,	28	7	13
Xavier Dion, farm laborer,	12	3	16
B. McNamara, farm laborer,	7	5	8
Benjamin W. Read, farm laborer,	5	11	—
Henry Egleston, farm laborer,	3	3	27
Henry Fuller, farm laborer,	4	7	2
Alex Wylie, farm laborer,	2	6	—
Comrye Fuller, farm laborer,	1	6	15
Joseph Young, farm laborer,	—	6	—
Joseph Berube, farm laborer,	1	3	26
Nicholas Krajnjak, farm laborer,	1	3	1
Tom Drozdial, farm laborer,	—	10	—
James Dinan, farm laborer,	—	4	28
Hugo Norman, farm laborer,	—	4	7
Edgar Styles, farm laborer,	—	2	20
Walter C. Streeter, herdsman,	2	1	1
Harry W. Love, watchman,	1	9	21
Sherman L. Brazier, nurse,	—	—	2
Frank W. Chase, nurse,	—	—	2
William R. Kirke, nurse,	—	—	1
Hannah Bolliver, nurse,	—	—	1
Marie Bolliver, nurse,	—	—	1
Mary Sullivan, kitchen girl,	—	—	3
Leroy McKusick, kitchen helper,	2	3	—
Glencora Kellogg, dining room,	1	8	19
Joseph C. Tennant, nurse,	1	2	2
Mollie A. Greene, nurse,	—	6	—
John Daffinee, nurse,	—	5	—
Bertha Pease, nurse,	—	5	—
Bessie Shook, nurse,	—	4	16
Percy F. Williams, gardener,	—	3	4

LIST OF PERSONS REGULARLY EMPLOYED AT THE NORTHAMPTON INSANE HOSPITAL.

Superintendent and physician, per year,	\$3,000 00
Assistant physician, “	1,000 00
Assistant physician, “	1,000 00
Assistant physician, “	600 00
Assistant physician, “	500 00
Treasurer and clerk, “	1,800 00
Engineer, with house rent, “	1,100 00
Farmer, “	780 00
Florist, without board, “	700 00
Matron, per month,	35 00
Superintendent of nurses, “	50 00
Superintendent of nurses, “	40 00
Assistant superintendent of nurses, “	35 00
Secretary to superintendent, “	35 00
Stenographer, “	28 00
Seamstress, “	22 00
Assistant seamstress, “	18 00
Assistant seamstress, “	16 00
Laundryman, “	45 00
Laundresses (four), “	18 00
Baker, “	60 00
Assistant baker, “	40 00
Steward, with partial board, “	60 00
Assistant steward, “	50 00
Assistant steward, “	40 00
Nurses (men, thirty-one), “	\$21 00 to 33 00
Nurses (women, thirty-eight), “	14 00 to 25 00
Usher, “	14 00
House maids (three), “	16 00 to 18 00
Waitress, “	18 00
Waitress, “	14 00

Cooks (three),	per month, \$20 00 to 25 00
Kitchen girls (four),	" 14 00 to 15 00
Clothes marker,	" 25 00
Painter,	" 60 00
Painter,	" 50 00
Assistant engineer,	" 50 00
Fireman,	" 35 00
Firemen (two),	" 30 00
Coachman,	" 40 00
Farm laborers (fourteen),	" 25 00 to 30 00
Herdsmen,	" 35 00
Carpenter,	" 60 00
Carpenter,	per day, 3 00
Carpenter,	" 2 50
Carpenter,	" 2 00
Plumber,	per month, 75 00
Mechanic,	" 50 00
Mechanic,	" 35 00
Mechanic,	per day, 2 25
Watchman,	per month, 30 00
Gardener,	" 30 00
Kitchen helper,	" 25 00

TREASURER'S REPORT.

To the Trustees of the Northampton Insane Hospital.

I herewith submit my annual report of the finances of the Northampton Insane Hospital for the year ending Sept. 30, 1905 : —

ASSETS.

Five hundred and eleven acres of land,	\$56,900 00
Hospital building,	600,000 00
Farmhouse,	1,500 00
Brick house,	1,700 00
Six dwellings,	4,000 00
Storehouse, shops and cold storage,	30,000 00
Two barns,	5,000 00
Horse stable,	6,000 00
New cow stable,	13,000 00
Piggery,	3,000 00
Lumber house,	850 00
Cart shed,	400 00
Pump house,	500 00
Two ice houses,	300 00
Paint house.	500 00
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	\$723,650 00

PERSONAL ESTATE.

Stocks and supplies, as per inventory,	\$105,472 12
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RECEIPTS.

Cash on hand Oct. 1, 1904,	\$2,303 49
Received from individuals for support of patients,	31,283 21
Received from individuals, reimbursements,	8,842 94
Received from soldiers' relief for support of patients,	169 46
Received from sales, farm produce,	2,074 57
Received from sales, miscellaneous articles,	1,386 08
Received from interest on bank deposit,	120 15
Received from Commonwealth for current expenses,	148,185 01
Received from Commonwealth for special appropriation,	62,026 32
	<hr/>
Total receipts,	\$256,391 23

EXPENDITURES.

Salaries, wages and labor,	\$49,589 81	
Food:—		
Beans,	\$425 45	
Bread and crackers,	612 33	
Butter,	6,798 71	
Cereals, rice, meal, etc.,	1,025 98	
Cheese,	271 39	
Eggs,	7,311 30	
Fish,	2,278 38	
Flour,	7,765 25	
Fruit,	1,739 71	
Meats,	7,297 66	
Milk,	1,504 80	
Molasses,	623 83	
Sugar,	3,421 15	
Sundries,	717 33	
Tea, coffee, broma and cocoa,	1,410 57	
Vegetables,	967 64	
Salt,	20 00	
Yeast,	135 00	
		44,326 48
Clothing and clothing material:—		
Boots, shoes and rubbers,	\$904 59	
Clothing,	1,821 04	
Dry goods for clothing and small wares,	1,635 60	
Furnishing goods,	210 81	
Hats and caps,	64 86	
Leather and shoe findings,	4 15	
Sundries,	52 59	
		4,693 64
Furnishings:—		
Beds, bedding, table linen, etc.,	\$2,600 36	
Brushes, brooms, etc.,	83 40	
Crockery, glass ware, cutlery, etc.,	607 53	
Carpets, rugs, etc.,	401 63	
Furniture and upholstery,	2,013 74	
Kitchen furnishings,	33 49	
Wooden ware, buckets, etc.,	35 50	
Sundries,	27 24	
		5,802 89
Heat, light and power:—		
Coal, hard and soft,	\$11,512 13	
Gas,	70 47	
Oil,	242 28	
Sundries,	287 38	
Packings for engine,	109 06	
		12,221 32
Amount carried forward,		\$116,634 14

Amount brought forward, \$116,634 14

Repairs and improvements: —

Cement, lime and plaster,	\$77 93
Doors, sashes, etc.,	138 95
Electrical work and supplies,	642 45
Hardware,	1,532 10
Lumber,	639 60
Machinery, etc.,	1,173 70
Paints, oils, glass, etc.,	1,385 40
Plumbing, steam fitting and supplies,	1,405 21
Roofing and materials,	31 00
Mechanics and labor not on pay roll,	552 41
Sundries,	220 81

7,799 56

Farm, stable and grounds: —

Blacksmith and supplies,	\$307 67
Carriages, wagons and repairs,	422 16
Fertilizers, vines, seeds, etc.,	980 94
Hay, grain, etc.,	7,458 08
Harness and repairs,	136 65
Horses,	530 00
Cows,	994 50
Other live stock,	1,757 00
Labor not on pay roll,	55 00
Rent,	72 75
Tools, farm machines, etc.,	211 15
Sundries,	186 47

13,112 37

Miscellaneous: —

Books, periodicals, etc.,	\$222 85
Chapel services and entertainments,	829 50
Freight, expressage and transportation,	1,403 43
Funeral expenses,	46 00
Hose, etc.,	261 83
Labor not on pay roll,	15 25
Medicines and hospital supplies,	1,480 20
Medical attendance, nurses (extra),	159 00
Postage,	270 80
Printing and printing supplies,	224 85
Printing annual report,	162 94
Return of runaways,	19 79
Soap and laundry supplies,	1,207 44
Stationery and office supplies,	335 25
School books and supplies,	23 00
Travel and expenses (officials),	403 00
Telephone and telegraph,	223 42
Tobacco,	433 34

Amounts carried forward, \$7,721 89 \$137,546 07

<i>Amounts brought forward,</i>	\$7,721 89	\$137,546 07
Water, 6 cents per 1,000 gallons,	2,387 13	
Sundries,	529 92	
	<hr/>	10,638 94
Total,		\$148,185 01
Paid out of special appropriations,	\$62,026 32	
Receipts paid to State Treasurer,	43,649 71	
	<hr/>	105,676 03
Total expenditures,		\$253,861 04
Cash on hand Sept. 30, 1905,		2,530 19
		<hr/>
		\$256,391 23

RESOURCES AND LIABILITIES.

Resources.

Cash on hand Sept. 30, 1905, payable to State Treasurer,	\$2,530 19	
Balance of receipts and maintenance appropriations with State Treasurer,	59,295 59	
Bills due from individuals for support of patients,	13,341 45	
Bills due from soldiers' relief,	42 71	
Bills due from individuals, reimbursements,	2,968 58	
Unexpended special appropriations,	12,755 68	
	<hr/>	
Total resources,		\$90,934 20

Liabilities.

Salaries, wages and labor,	\$4,413 08	
All other current expenses,	9,127 70	
Bills due on account special appropriation,	2,931 00	
	<hr/>	
Total liabilities,		16,471 78
		<hr/>
Balance for the institution,		\$74,462 42

During the year the average number of patients has been 794+.

Dividing the total expenditure for maintenance (\$148,185.01) by the average number gives an average annual cost of \$186 63+
 Equivalent to an average weekly cost of 3 57+

STATEMENT OF FUNDS.

Fred B. Kelly Fund.

Balance on hand Oct. 1, 1904,	\$603 79
Interest to April 1, 1905,	21 30

Balance in Northampton Institution for Savings, . . . \$625 09

LEWIS F. BABBITT,

Treasurer.

We have examined, as auditors, the accounts of the treasurer, and found a satisfactory voucher for every entry.

HENRY P. FIELD.
ALVAN BARRUS.

SUPPLEMENTARY STATEMENT

RELATING TO SPECIAL APPROPRIATIONS.

OBJECT.	Resolve.	Whole Amount.	Land.	For Patents and Nurses.	For Farm, Stable and Grounds.	Total Buildings and Additions.	Repairs and Minor Improvements.	Furnishing and equip- ing.	Total.	Expended to Date.	Balance at the End of Year.
Hay, barn and cow stable, . .	1901,	\$16,000 00	-	-	\$1,146 73	\$1,146 73	-	-	\$1,146 73	\$16,000 00	-
Infirmary, north wing, . . .	1903,	65,000 00	-	\$48,673 51	-	48,673 51	-	-	48,673 51	62,063 36	\$2,936 64
Repairing and altering heating plant.	1903,	10,000 00	-	33 37	-	33 37	-	-	33 37	10,000 00	-
Furnishing men's infirmary, . .	1904,	6,500 00	-	-	-	-	-	\$2,713 17	2,713 17	3,625 67	2,874 33
Furnishing women's infirmary, .	1904,	3,500 00	-	2,604 25	-	2,604 25	-	-	2,604 25	3,500 00	-
Constructing and repairing side-walks.	1904,	1,000 00	-	-	1,000 00	1,000 00	-	-	1,000 00	1,000 00	-
Installing telephones and clocks, .	1904,	1,800 00	-	-	-	-	\$805 29	-	805 29	805 29	994 71
Purchase of land and buildings, .	1905,	5,500 00	\$5,050 00	-	-	-	-	-	5,050 00	5,050 00	450 00
Engine and electric generator, . .	1905,	4,000 00	-	-	-	-	-	-	-	-	4,000 00
Construction of boathouse, . . .	1905,	1,500 00	-	-	-	-	-	-	-	-	1,500 00
Totals,	-	\$114,800 00	\$5,050 00	\$51,311 13	\$2,146 73	\$53,457 86	\$805 29	\$2,713 17	\$62,026 32	\$102,044 32	\$12,755 68

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1905.

Live stock on farm,	\$12,102 00
Produce of farm on hand,	10,301 90
Carriages and agricultural implements,	3,200 00
Machinery and mechanical fixtures,	17,750 00
Beds and bedding in inmates' department,	16,000 00
Other furniture in inmates' department,	12,000 00
Personal property of State in superintendent's department,	10,000 00
Ready-made clothing,	1,979 29
Dry goods,	3,478 27
Provisions and groceries,	10,665 29
Drugs and medicines,	500 00
Fuel,	5,638 50
Library,	1,300 00
Tobacco,	81 25
Other supplies undistributed,	475 62
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	\$105,472 12

STATISTICAL TABLES.

[FORM PRESCRIBED BY STATE BOARD OF INSANITY.]

1. — General Statistics of the Year.

	INSANE.			NOT INSANE, VOLUNTARY.			HABITUAL DRUNKARDS.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1904,	353	398	751							353	399	752
Admitted within the year,	207	208	415							207	207	414
Viz.: by commitment,	152	147	299							152	148	300
voluntary,	—	53	53	2	—	2	—	—	—	2	53	55
by transfer,	42	—	42	—	—	—	—	—	—	42	—	42
from escape,	2	—	2	—	—	—	—	—	—	2	—	2
on visit,	1	—	1	—	—	—	—	—	—	1	—	1
nominally admitted from visit for discharge,	10	5	15	—	—	—	—	—	—	10	5	15
Whole number of cases within the year,	560	604	1,164	2	1	3	—	1	1	562	606	1,168
Dismissed within the year,	163	231	394	2	—	2	—	1	1	165	232	397
Viz.: discharged,	67	58	125	—	—	—	—	—	—	67	58	125
as recovered,	19	15	34	—	—	—	—	—	—	19	15	34
as much improved,	12	22	34	—	—	—	—	—	—	12	22	34
as improved,	13	11	24	—	—	—	—	—	—	13	11	24
as not improved,	16	9	25	—	—	—	—	—	—	16	9	25
as not insane,	1	1	2	2	—	2	1	—	1	3	2	5
died,	47	32	79	—	—	—	—	—	—	47	32	79
transferred,	27	127	154	—	—	—	—	—	—	27	127	154
on visit October 1,	7	—	7	—	—	—	—	—	—	7	—	7
escaped,	15	14	29	—	—	—	—	—	—	15	14	29
on visit October 1,	397	373	770	—	1	1	—	—	—	397	374	771
Patients remaining Sept. 30, 1905,	347	308	655	—	—	—	—	—	—	347	308	655
Viz.: supported as State patients,	50	65	115	—	1	1	—	—	—	50	66	116
as private patients,	539	601	1,160	2	1	3	—	1	1	561	603	1,164
Number of different persons within the year,	205	203	409	2	—	2	—	1	1	208	204	412
Number of different persons admitted by commitment,	151	144	295	—	—	—	—	1	1	151	145	296
Number of different persons recovered,	19	15	34	—	—	—	—	—	—	19	15	34
Daily average number of patients,	387.1	405.9	793.1	—	—	—	—	—	—	387.1	406.9	794.1
Viz.: State patients,	338.0	341.3	679.4	—	1	1	—	—	—	338.0	341.3	679.4
private patients,	49.0	64.5	113.5	—	—	—	—	—	—	49.1	65.5	114.6

2. — *Insane received on First and Subsequent Commitments.*

NUMBER OF COMMITMENTS.	CASES COMMITTED.		
	Males.	Females.	Totals.
First to this hospital,	123	121	244
Second to this hospital,	19	22	41
Third to this hospital,	5	2	7
Fourth to this hospital,	2	1	3
Fifth to this hospital,	1	2	3
Seventh to this hospital,	1	—	1
Ninth to this hospital,	1	—	1
Total cases,	152	148	300
Total persons,	151	144	295
Never before in any hospital for insane,	111	114	225

3.—Nativity and Parentage of Insane Persons first admitted to Any Hospital.

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.
Massachusetts,	53	36	34	45	24	24	98	60	58
Other New England States, .	10	11	10	10	8	9	20	19	19
Other States,	12	8	9	4	6	6	16	14	15
Total native,	75	55	53	59	38	39	134	93	92
Other countries:—									
Austria,	2	2	2	3	3	3	5	5	5
Canada,	5	7	8	12	13	13	17	20	21
England,	3	4	4	2	4	4	5	8	8
France,	—	—	—	1	1	1	1	1	1
Germany,	4	7	7	4	6	6	8	13	13
Ireland,	13	25	26	26	41	40	39	66	66
Italy,	—	—	—	2	2	2	2	2	2
Poland,	1	1	1	1	1	1	2	2	2
Russia,	4	4	4	1	1	1	5	5	5
Scotland,	1	2	2	—	—	—	1	2	2
Sweden,	2	2	2	3	3	3	5	5	5
Turkey,	1	1	1	—	—	—	1	1	1
Total foreign,	36	55	57	55	75	74	91	130	131
Unknown,	—	1	1	—	1	1	—	2	2
Totals,	111	111	111	114	114	114	225	225	225

4. — *Residence of Insane Persons admitted by Commitment.*

PLACES.	FIRST ADMITTED TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Hampshire County, . . .	27	17	44	5	2	7
Hampden County, . . .	45	58	103	20	19	39
Berkshire County, . . .	21	26	47	10	4	14
Franklin County, . . .	17	13	30	5	3	8
Suffolk County, . . .	1	—	1	—	—	—
Worcester County, . . .	—	—	—	—	2	2
Totals, . . .	111	114	225	40	30	70
Unknown, . . .	—	—	—	—	—	—
Totals, . . .	111	114	225	40	30	70
Cities and towns, . . .	74	92	166	26	28	54
Country districts, . . .	37	22	59	14	2	16
Totals, . . .	111	114	225	40	30	70

5. — *Civil Condition of Insane Persons first admitted to Any Hospital.*

	Males.	Females.	Totals.
Unmarried,	41	40	81
Married,	61	48	109
Widowed,	9	21	30
Divorced,	—	5	5
Unknown,	—	—	—
Totals,	111	114	225

6. — *Occupation of Insane Persons first admitted to Any Hospital.*

MALES.

Barbers,	2	Merchants,	2
Bartender,	1	Operatives,	11
Blacksmith,	1	Painters,	5
Bookkeeper,	1	Paper makers,	2
Bootblack,	1	Peddlers,	2
Carpenters,	4	Physician,	1
Cigar makers,	2	Pocketbook maker,	1
Etcher,	1	Polishers,	2
Farmers,	15	Professor,	1
Farm laborers,	6	Quarryman,	1
Gun makers,	2	Salesman,	1
Grocers,	2	Shoemaker,	1
Harness maker,	1	Sign painter,	1
Hod carrier,	1	Silver plater,	1
Hotel keeper,	1	Stone mason,	1
Iron molder,	1	Teamsters,	2
Janitor,	1	Textile designer,	1
Laborers,	18	Tool makers,	2
Lithographer,	1	Whip maker,	1
Machinists,	2	No occupation,	7
Mechanic,	1	Total,	111

FEMALES.

Cooks,	2	Saleswomen,	2
Domestics,	18	Students,	3
Dressmakers,	2	Teachers,	2
Housekeepers,	5	No occupation,	26
Operatives,	13	Total,	73

6. — *Occupation of Insane Persons first admitted to Any Hospital*
— Concluded.

WIFE OF —			
Agent,	2	Merchant,	1
Armorer,	1	Operative,	6
Bookkeeper,	1	Painter,	1
Coachman,	2	Quarryman,	1
Dentist,	1	Salesman,	1
Engineer,	1	Tailor,	2
Farmer,	3	Woodworker,	1
Fireman,	2	Total,	41
Laborer,	15		

7. — *Ages of Insane at First Attack, Admission and Death.*

	FIRST ADMITTED TO ANY HOSPITAL.						DIED.		
	AT FIRST ATTACK.			WHEN ADMITTED.			AT FIRST ATTACK.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	19	11	30	—	—	—	3	2	5
15 years and less,	1	—	1	—	—	—	—	—	—
From 15 to 20 years,	3	8	11	8	6	14	—	1	1
20 to 25 years,	7	11	18	11	10	21	3	—	—
25 to 30 years,	2	16	18	3	19	22	1	1	1
30 to 35 years,	12	10	22	12	8	20	3	—	—
35 to 40 years,	8	6	14	11	8	19	6	4	4
40 to 50 years,	17	19	36	18	21	39	7	5	7
50 to 60 years,	15	12	27	19	15	34	3	4	11
60 to 70 years,	10	9	19	13	11	24	10	5	12
70 to 80 years,	11	11	22	10	13	23	8	7	18
Over 80 years,	3	1	4	6	3	9	2	1	14
Totals,	108	114	222	111	114	225	46	30	76
Unknown,	3	—	3	—	—	—	1	2	3
Totals,	111	114	225	111	114	225	47	32	79
Mean known ages,	38.6	35.3	36.9	44.7	43.5	44.1	52.9	55.1	53.78
							59.1	61.8	60.2

8. — *Probable Causes of Mental Disease in Persons first admitted to Any Hospital.*

EXCITING CAUSES.	ADMITTED.			PREDISPOSING CAUSES.								
				HEREDITARY TENDENCY.			NEUROTIC TENDENCY.			ALCOHOLIC TENDENCY.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Cerebral hemorrhage,	4	3	7	1	-	1	-	-	-	-	-	-
Congenital,	16	9	25	5	2	7	-	1	1	-	-	-
Drug habits,	-	1	1	-	-	-	-	-	-	-	-	-
Epilepsy,	3	1	4	-	1	1	2	-	2	-	1	1
Heredity,	10	21	31	10	21	31	2	6	8	-	-	-
Heredity and excessive use of tobacco,	1	-	1	1	-	1	-	-	-	-	-	-
Heredity and drugs,	2	-	2	2	-	2	-	-	-	-	-	-
Heredity and intemperance,	1	3	4	1	3	4	-	-	-	1	3	4
Heredity and menopause,	-	2	2	-	2	2	-	-	-	-	-	-
Heredity and puerperium,	-	3	3	-	3	3	-	-	-	-	-	-
Heredity and senility,	3	2	5	3	2	5	-	-	-	-	-	-
Illness,	3	1	4	-	-	-	-	-	-	1	-	1
Intemperance,	27	14	41	-	-	-	3	-	3	27	14	41
Intemperance and excessive use of tobacco,	3	-	3	-	-	-	-	-	-	3	-	3
Intemperance and menopause,	-	1	1	-	-	-	-	-	-	-	1	1
Intemperance and senility,	3	2	5	-	-	-	-	-	-	3	2	5
Intemperance and syphilis,	1	4	5	-	-	-	-	-	-	1	4	5
Masturbation,	-	1	1	-	-	-	-	1	1	-	-	-
Menopause,	-	2	2	-	-	-	-	1	1	-	-	-
Puerperium,	-	11	11	-	-	-	-	1	1	-	2	2
Senility,	22	12	34	-	-	-	1	-	1	-	-	-
Syphilis,	3	8	11	-	-	-	1	1	2	-	-	-
Unknown,	9	12	21	-	1	1	5	4	9	-	-	-
Not insane,	-	1	1	-	-	-	-	-	-	-	-	-
Totals,	111	114	225	23	35	58	14	15	29	36	27	63

9. — *Probable Duration of Mental Disease before Admission.*

PREVIOUS DURATION.	FIRST ADMITTED TO ANY HOSPITAL.		
	Males.	Females.	Totals.
Congenital,	19	11	30
Under 1 month,	24	15	39
From 1 to 3 months,	13	11	24
3 to 6 months,	10	5	15
6 to 12 months,	6	12	18
1 to 2 years,	15	19	34
2 to 5 years,	10	19	29
5 to 10 years,	5	16	21
10 to 20 years,	5	3	8
Over 20 years,	1	3	4
Totals,	108	114	222
Unknown,	3	—	3
Totals,	111	114	225
Average known duration in years,	1.88	2.75	2.34

II. — Discharges of the Insane classified by Admissions and Results, and Deaths.

NUMBER OF ADMISSIONS.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital, . . .	17	10	27	10	21	31	14	10	24	12	6	18	1	1	2	38	30	68	92	78	170
Second to this hospital, . . .	—	3	3	1	—	1	5	1	6	2	3	5	—	—	—	6	1	7	14	8	22
Third to this hospital, . . .	1	1	2	—	1	1	—	—	—	1	—	1	—	—	—	2	—	2	4	2	6
Fourth to this hospital, . . .	—	—	—	1	—	1	—	—	—	1	—	1	—	—	—	—	1	1	2	1	3
Fifth to this hospital, . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Seventh to this hospital, . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Ninth to this hospital, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	1	—	1
Total cases, . . .	19	15	34	12	22	34	19	11	30	16	9	25	1	1	2	47	32	79	114	90	204
Total persons, . . .	19	15	34	12	22	34	19	11	30	15	9	24	1	1	2	—	—	—	113	90	203
First admitted to any hospital, . . .	16	8	24	9	21	30	13	9	22	9	7	16	—	1	1	36	29	65	83	75	158

12.—Cause of Death and Form of Mental Disease in Persons who died.

	ACUTE ALCOHOLIC INSANITY.			ACUTE DELIRIUM.			DEMENTIA.			DEMENTIA, PRÆCOX.			EPILEPSY.			HUNTINGTON'S CHOREA.			INVOLUTION PSYCHOSIS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General diseases:—																					
Carcinoma,							1		1						1						1
Gangrene,																					
General tuberculosis,																					
Senility,																					
Septicæmia,																					
Shock from fracture of humerus,																					
Suffocation following convulsion,													1		1						
Diseases of nervous system:—																					
Asthma,																					
General paralysis of insane,																					
Huntington's chorea,																1		1			
Diseases of the circulatory system:—																					
Cerebral embolism,																					
Cerebral hemorrhage,							1		1												
Endocarditis,													1		1						
Fatty degeneration of heart,																					
Myocarditis,		1	1																		
Periculous anæmia,																					
Pulmonary embolism,																					
Diseases of the respiratory system:—																					
Bronchial pneumonia,																					
Lobar pneumonia,																					
Pulmonary tuberculosis,																					
Diseases of the digestive system:—																					
Gastro-enteritis,																					
Diseases of the genito-urinary system:—																					
Acute nephritis,		2	2																		
Chronic interstitial nephritis,				1		1															
Diseases of the skin:—																					
Erysipelas,																					
Totals,		3	3	1		1	1	2	3	2			2	1	3	1				2	2

12. — Cause of Death and Form of Mental Disease in Persons who died — Concluded.

	MANIC DEPRESSIVE.			MENTAL DEFICIENCY.			ORGANIC DEMENTIA.			PARANOIA.			PARESIS.			SENILE DEMENTIA.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General diseases : —																					
Carcinoma,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Gangrene,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General tuberculosis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Senility,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Septicæmia,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Shock from fracture of humerus,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Suffocation following convulsion,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of nervous system : —																					
Asthma,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General paralysis of insane,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Huntington's chorea,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the circulatory system : —																					
Cerebral embolism,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebral hemorrhage,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Endocarditis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fatty degeneration of heart,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Myocarditis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Periculous anæmia,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pulmonary embolism,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the respiratory system : —																					
Bronchial pneumonia,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lobar pneumonia,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pulmonary tuberculosis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the digestive system : —																					
Gastro-enteritis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the genito-urinary system : —																					
Acute nephritis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chronic interstitial nephritis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the skin : —																					
Erysipelas,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	4	2	6	3	2	5	6	2	8	—	2	2	7	3	10	20	13	33	47	32	79

13. — Duration of Mental Disease and its Treatment in Patients who recovered or died.

	FIRST ADMITTED TO ANY HOSPITAL.						ALL OTHER ADMISSIONS.								
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.			WHOLE KNOWN PERIOD OF HOS- PITAL RESIDENCE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Recoveries : —															
Under 1 month,	12	4	16	3	—	3	2	—	2	—	—	—	—	—	—
From 1 to 3 months,	1	3	4	8	4	12	8	2	10	—	—	—	—	1	1
3 to 6 months,	1	—	1	3	4	7	4	5	9	—	—	—	1	1	2
6 to 12 months,	2	—	2	—	—	—	2	—	2	—	3	3	1	1	2
1 to 2 years,	—	1	1	2	—	2	—	1	1	1	1	2	—	3	3
2 to 5 years,	—	—	—	—	—	—	—	—	—	—	1	2	1	1	2
5 to 10 years,	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
10 to 20 years,	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
Over 20 years,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	16	8	24	16	8	24	16	8	24	2	7	9	3	7	10
Unknown,	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—
Totals,	16	8	24	16	8	24	16	8	24	3	7	10	3	7	10
Average of known cases in months,	1.4	2.12	1.21	2.0	3.0	2.34	3.4	5.12	4.0	24.0	48.2	38.6	14.0	17.5	15.5

13. — Duration of Mental Disease and its Treatment in Patients who recovered or died — Concluded.

	FIRST ADMITTED TO ANY HOSPITAL.						ALL OTHER ADMISSIONS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
B. — Died :—												
Under 1 month,	4	3	7	9	5	14	-	2	2	-	-	-
From 1 to 3 months,	5	2	7	5	4	9	3	2	5	-	-	-
3 to 6 months,	1	1	2	3	2	5	2	-	2	-	-	-
6 to 12 months,	3	-	3	4	6	10	4	1	5	-	-	4
1 to 2 years,	7	7	14	7	1	8	4	4	8	-	-	1
2 to 5 years,	9	6	15	7	7	14	14	6	20	4	3	4
5 to 10 years,	3	5	8	-	1	1	4	8	12	3	-	1
10 to 20 years,	3	2	5	1	1	2	4	2	6	-	2	2
Over 20 years,	1	1	2	-	2	2	1	2	3	3	1	2
Totals,	36	27	63	36	29	65	36	27	63	10	2	12
Unknown,	-	2	2	-	-	-	-	2	2	1	1	2
Totals,	36	29	65	36	29	65	36	29	65	11	3	14
Average of known cases in months,	40.85	45.06	42.73	15.69	49.65	30.84	56.55	94.72	73.58	267.12	116.0	162.57
										45.63	203.6	79.5

PUBLIC DOCUMENT

. . . . No. 21.

FIFTY-FIRST ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON STATE HOSPITAL,

FOR THE

YEAR ENDING NOVEMBER 30, 1906.



BOSTON :

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1907.



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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

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ALVAN BARRUS, <i>Chairman</i> ,	GOSHEN.
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CAROLINE A. YALE,	NORTHAMPTON.
F. W. CHAPIN, M.D.,	SPRINGFIELD.

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CHARLES H. DEAN, M.D.,	<i>Assistant Physician.</i>
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JOSEPH G. COOK,	<i>Farmer.</i>
GEORGE T. GILBERT,	<i>Engineer.</i>

TREASURER.

LEWIS F. BABBITT,	NORTHAMPTON.
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Office at the Hospital.

Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital respectfully present herewith their fifty-first annual report of the condition of the hospital and its affairs.

This report covers a period of fourteen months, from Oct. 1, 1905, to Nov. 30, 1906, in order to bring our hospital year to conform to the new fiscal year, from December 1 to the following November 30, established by act of Legislature last year.

We refer to the reports of the superintendent and treasurer for details of affairs in their departments.

Early in the year the special appropriation for the purchase and erection of a new engine and electric generator was used for that purpose. A 125 horse-power Ames engine, connected directly to a 100 K.W. General Electric generator, was installed.

The appropriation for the construction of a hothouse for the farm and garden has not been expended. We had hoped to purchase the necessary materials with the money appropriated, and to do all work of construction with our own force of employees, but the latter have been occupied in doing other work. We find that the appropriation is inadequate for the erection of a suitable house at present, because of the increase in the prices of materials and of labor, and because of the shortening in the number of hours which constitute a day's work for employees of the Commonwealth. We therefore shall ask for an additional appropriation for this purpose.

The Legislature of the present year made a special appropriation of \$17,500 for installing a better water supply. The trustees have had several conferences with the water commissioners of Northampton on the matter, but have not perfected their plans. We had hoped to begin the work this fall, but in September found that we could not obtain water pipe of the required size till December or January, consequently work has been postponed till spring.

We approve of the recommendations of the superintendent in regard to the needs of the hospital for the coming year, and respectfully ask the Legislature to appropriate the sum of \$2,000 for the purchase of plumbing fixtures and materials to replace worn-out fixtures; for the sum of \$1,200 for putting electric lights along the path and driveway from the street to the hospital; for the sum of \$1,000 for the purchase of machinery for the bakery; for the sum of \$2,000 for the purchase of cows. We also ask for an additional appropriation of \$2,100 for a hothouse for farm and garden, and for the sum of \$700 for lumber to construct an ice house, the one now in use being unsafe to use another season.

In October Mr. Field resigned his position as trustee, to accept an appointment to the State Board of Insanity. The trustees desire to express here their high esteem of Mr. Field as an associate, and their appreciation of the great interest he has shown in the management of the hospital and its affairs.

Mr. Henry L. Williams of Northampton was appointed by the Governor to take Mr. Field's place on the Board.

For a period of nearly forty years Mr. John Mercier, our head farmer, has been in the service of the hospital. During twenty-four years he has had direct charge of the farm, in the management of which he has been signally successful. Because of his advancing years and occasional periods of ill health it has been thought advisable to appoint an associate, who could relieve him of some of his care and responsibility, and eventually take his place. We accordingly appointed Mr. Joseph G. Cook to the place. He is a graduate of the Amherst Agricultural College, and comes to us highly recommended.

The only change in the medical staff has been the appointment of Dr. Charles Stanley Raymond as medical interne.

We have visited the hospital regularly for the monthly meetings, and various members of the Board have made frequent visits at other times than the stated meetings. We have always found the hospital and its affairs in excellent condition, and take occasion now to express our approval of the work of the officers of the hospital.

WILLIAM D. MACINNES.
HENRY L. WILLIAMS.
CHARLES S. SHATTUCK.
ALVAN BARRUS.
SARAH A. WOODWORTH.
CAROLINE A. YALE.
F. W. CHAPIN, M.D.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

I hereby present my report for the period beginning Oct. 1, 1905, and ending Nov. 30, 1906.

The statistical tables appended to this report are for the year ending Sept. 30, 1906. A brief analysis of them will show the main facts of interest concerning the patients who were here under treatment during that period.

At the beginning of the year there were 771 patients in the hospital or boarded out under our care. Excluding from the number of admissions shown in the first table 27 patients who were out on trial visit at the beginning of the year, and who were nominally admitted and discharged at the expiration of their leave of absence without returning to the hospital, there were 262 admissions, making the total number cared for 1,033; 262 were discharged, leaving 771 at the end of the year.

The daily average number of patients was 767.

The following table shows the annual number of admissions in the past five years: —

In 1902 the number of admissions was	.	.	.	.	.	.	222
In 1903 the number of admissions was	.	.	.	.	.	.	258
In 1904 the number of admissions was	.	.	.	.	.	.	392
In 1905 the number of admissions was	.	.	.	.	.	.	401
In 1906 the number of admissions was	.	.	.	.	.	.	262

It will be noticed that the number of admissions in the years 1904 and 1905 was much larger than in the preceding years, for which the change from town to State support is responsible. The number of admissions in 1906 dropped back to nearly the same number as in 1903, and probably represents what may be normally expected for the next few years. It is considerably larger than in any year prior to 1903, which may be accounted for partly by the gradual increase in the general

population of our district, and largely by the commitment of feeble-minded and senile cases that were formerly cared for in almshouses. There were 21 such cases admitted in 1906.

Of the admissions, 252 were committed by order of court, 4 were by voluntary commitment, 3 were transferred by the State Board of Insanity, — 1 from the Worcester Insane Hospital, 1 from the State Hospital, Tewksbury, and 1 from boarding out, — 1 was admitted from elopement and 2 from visit. Two of the voluntary cases were not insane.

One hundred and ninety-eight of the cases had never before been in any hospital for the insane; 217 were admitted to this hospital for the first time, 28 for the second time, 7 for the third time and 1 each for the fifth and seventh times.

Of those admitted, only 42 per cent. were born in Massachusetts; 33 per cent. were of foreign birth and about 55 per cent. were of foreign parentage.

The principal causes of insanity in the cases admitted were, as nearly as could be ascertained, old age in 52, intemperance in 51, heredity in 49, congenital deficiency in 36, cerebral hemorrhage in 9, epilepsy in 7.

The mean age of cases admitted was forty-five years. Fifty-seven of the persons admitted were over sixty years old. Of these, 25 were between seventy and eighty years old and 12 were over eighty years old.

About 60 per cent. of the persons admitted had been insane a year or more at the time of admission. More than 200 of them were suffering from various forms of mental disease from which recovery is seldom expected.

Two hundred and sixty-two patients were dismissed during the year; of these, 29 were discharged as recovered, 32 as capable of self-support, 37 as improved, 20 as not improved, 3 as not insane. Two of the latter were admitted as not insane by voluntary commitment, and 1, committed as insane, was an inebriate.

Seventy-three died, — 7 per cent. of the whole number under treatment. The principal causes of death were: senility in 18 cases, general paralysis in 11 cases, cerebral hemorrhage in 7 cases, endocarditis in 6 cases, general tuberculosis in 4 cases and pulmonary tuberculosis in 3 cases, and typhoid fever

and carcinoma in 3 cases each. The average age of those who died was fifty-nine years; 24 of these were over seventy years old.

Fifty-six patients were transferred to other institutions: 1 to the Westborough Insane Hospital, 25 to the State Hospital, Tewksbury, and 30 to the State Colony for Insane, Gardner. At the end of the year 3 patients who had eloped had not been returned to the hospital.

Thirty-six patients were out on trial visit at the end of the year, most of whom will be able to remain at home.

We have placed 14 patients in families since the law permitting family care was enacted. One of these was discharged as no longer requiring supervision, 2 were returned to the hospital because of illness and 2 because of attempts to leave their boarding places without permission. Nine patients remained in families at the end of the year. They have been visited regularly by some one of our staff. They were found to be comfortably situated, and seemed to be contented. There are others for whom we are now trying to find suitable boarding places.

For several reasons the number thus boarded out by us will in all probability not be large. First, we try to persuade relatives and friends to care for such cases as would be suitable to place in family care; secondly, the State Board of Insanity will continue to place out some cases from this hospital; and finally, the cost of boarding out patients will keep the number small so long as the expense must be met from our maintenance appropriation. Patients who are suitable to be boarded out are of the quiet class, who need but little supervision. Removal from the hospital of 10 or 20 of their class will not noticeably reduce our expenses, as the admission of an equal number would not materially increase our expenses; but to board out 10 patients will reduce by about \$1,500 our maintenance appropriation, which is not now estimated on a per capita basis.

The work of the training school has continued without interruption. It is gratifying to note the steady improvement in the efficiency of our nursing force, due to the training and the increasing benefit to the hospital.

Four members of the school were graduated: Helena Donoghue, Clara L. LaDue, Effie Mahy and Madelena Rice.

The course in cooking conducted by Miss Baer proved very successful, and will be continued the coming year.

Courses in gymnastics have been resumed. At present there are two classes of patients and one of nurses twice each week, under the direction of Miss Eisenbrey, assistant instructor at Smith College.

It is with sorrow that I report the resignation of Miss Bedell, the former superintendent of nurses, who had to leave because of ill health. Her management of the school in the four years in which she had charge was very successful. Miss Root, one of the graduates of our school, was appointed to the vacancy, and we have reason to believe that her management will prove satisfactory.

Success in treatment of our patients depends not only upon the personality of the nursing force but also upon the amount of attention patients may have. Having long recognized this, we have gradually, but as rapidly as possible, increased our number of nurses. The present ratio of nurses to patients is about 1 to 10. This includes supervisors and night nurses, as well as those on duty during the day. A ratio of 1 to 9 or of 1 to 8 would be desirable if we had accommodations for that number, and an appropriation large enough to warrant the necessary increase in expense.

Patients have been employed in the various departments of the hospital about the same as mentioned in former annual reports. Each department has workers who have become quite proficient in the parts assigned them, to the advantage of both patients and hospital. Of all the places about the hospital I consider the farm and grounds the most valuable for providing work, because the work is out of doors, and it is simple, affording opportunity for a large number who could not put their minds to any labor requiring the exercise of much thought or judgment.

There has been about the usual number of assemblies of patients for worship and for entertainment. On every Lord's Day some clergyman from our neighborhood has conducted religious services here, for which I here express our appreciation.

The entertainments have been varied in character, as shown by the following list. Usually music forms some part of each

entertainment. October 4, Scotch songs, Gavin Spence; October 19, readings, Mrs. Moulton; October 21, training school graduating exercises; October 25, songs and recitations, Mr. Taggart; October 31, Hallowe'en party; November 8, pantomime, "Editha's Burglar," by patients and nurses; November 14, violin and song recital, Misses Jones, Steele and Schadee, and Mr. Steele; December 2, readings, Mr. Eccles; December 4, minstrels, Father Matthew's Total Abstinence Society; December 9, legerdemain, Mr. and Mrs. Martin; December 25, Christmas tree; January 6, concert, Bacon Banjo Club; February 19, card party; March 27, songs and readings, Mr. Reynolds; April 30, ventriloquism, Mr. Bryant; May 9, song recital, Misses Steele, Campbell, Belcher and Metcalf; May 12, song and dramatic recital, Mr. Brigham; May 14, "Babes in Toyland," Girls Friendly Society of Christ's Church, Springfield; May 26, drama, "Just for Fun," Guild of Unity Church, Amherst; May 30, base-ball game; July 4, band concert on lawn; September 8, concert by hospital orchestra; September 10, musicale, the Misses Woods; September 24, song and dramatic recital, Mr. Brigham; October 4, training school graduating exercises; October 9, songs and recitations, Mr. Taggart; October 12, concert, Mr. Bill and Mr. Bradley; October 17, songs and recitations, Mr. Reynolds; October 31, Hallowe'en party; November 6, readings, Mrs. Moulton; November 12, concert, Ariel Ladies' Quartette; November 22, legerdemain, Mr. Wilson. In addition to the above, there have been fifty-eight readings, seventeen dances, six stereopticon lectures and seven concerts.

A noteworthy change in our equipment was made by installing a new engine and electric generator, for which a special appropriation was made.

The engine, made by the Ames Engine Company, is of 125 horse-power, directly connected to a General Electric Company's generator of 100 K.W. capacity.

The wall between the former engine and dynamo rooms was removed, the floor above being supported by steel I beams. After the new engine was put in place the smaller engine and generator, which have been in use several years, were moved to a place beside the new ones. We now have a commodious,

well-lighted and convenient engine room, equipped with apparatus sufficient for our needs for years to come.

Several important recommendations I have to make concerning matters that should be attended to soon.

Much of the plumbing of the hospital is so worn out by long usage that it is more expensive to repair it than to put in new material. This is especially true of the third halls north and the first halls south. I recommend that an appropriation be asked for large enough to purchase what material our own workmen can make use of during the coming year.

I recommend that an appropriation be asked for to light the approaches to the hospital from the street at night. Both foot path and driveway are long and circuitous, and at night the way is puzzling to those unacquainted with it, and gloomy, especially to the female employees. A sum of \$1,200 will be needed for materials. We can do the necessary work with our own force of patients and employees.

I recommend the purchase of a dough mixer and a molding machine for our bakery. By the use of these machines the bakers can accomplish more work, the dough is more thoroughly mixed, and a larger number of loaves can be made from each barrel of flour. I have secured prices for these machines, and for the motor to operate them and the necessary shafting. The sum of \$1,000 will be needed for this purpose.

Early in the year our herd of cows was found to be infected with tuberculosis. The Cattle Bureau of the State Board of Agriculture has kindly co-operated with us in our efforts to eradicate the disease, but it will require considerable time and expense to get rid of all diseased cows and to purchase new ones. We shall need at least \$2,000 for this purpose the coming year.

In this connection I would say that, by the recommendation of the Cattle Bureau, we have been trying the inoculation of our calves with bovovaccine, according to the so-called von Behring method. The calves are vaccinated at as early an age as possible, twice before reaching the age of three months. The claim is made that calves so vaccinated are made immune against tuberculous infection. We have thus far treated eleven calves. It is too early to make any report of the success of

the method. All we can say is that no injurious effects whatever have been noted in any of the calves so treated.

Two acts of the Legislature of 1906 are of special interest to us.

The act providing that eight hours shall constitute a day's work for all laborers, workmen and mechanics employed by the Commonwealth applies to about 65 of our employees. For the present we have been able to make the necessary changes by the addition of 10 employees to our force, whose salaries and wages will amount to about \$5,000 during the coming year.

By another legislative act the title of the hospital was changed to the Northampton State Hospital. This change is much appreciated by patients and friends, and many letters and expressions of commendation have been received.

On April 19 Mr. Robert Gallivan, our supervisor, who had been employed here for a period of thirty-three years, died after a long illness, though he kept at work till within a short time of his death. He was a very capable officer, of a genial disposition, which endeared him to patients and their friends, and he had the esteem of all the officers who were associated with him. He well merits mention as a faithful and efficient officer, whose death is a loss to the hospital.

Our medical staff has been increased by the appointment of Dr. Charles Stanley Raymond as medical interne, who began his duties on July 1, 1906.

Every year we are indebted to friends of the hospital and patients for gifts and remembrances of various sorts, which are highly appreciated by us. We express our thanks to the following: Mr. T. L. Beardsley of Springfield, for presents for the Christmas tree; Miss Fobes of Springfield, presents for the Christmas tree; Mrs. J. L. Egbert, presents for the Christmas tree; Mrs. W. T. Parker of Springfield, presents for the Christmas tree; Dr. C. R. Gardner of Northampton, an aquarium; Mr. C. N. Fitts of Northampton, pictures; Mrs. F. A. Holmes of Haydenville, books, magazines and papers; Mr. G. F. Rider of Springfield, magazines; Mr. M. E. Ruther of Holyoke, papers; Mr. A. R. Thatcher of Haydenville, papers and magazines; Miss A. K. Gorham of Northampton, magazines; Mr.

R. T. Simeson of Northampton, papers and magazines; Mr. C. W. Loomis of Northampton, magazines and papers; Mr. J. C. Fowle of Northampton, papers and magazines; Mrs. John Warner of Northampton, papers and magazines.

It gives me much pleasure to report that during my absence in early summer for a period of three months the affairs of the hospital were well managed by the other officers, and I commend them for the loyal and harmonious way in which they conducted their respective departments.

JOHN A. HOUSTON,
Superintendent.

DIETARY OF THE NORTHAMPTON STATE HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about three hundred persons, and the second to those of somewhat over three hundred. In addition to these, about 190 quarts of egg and milk are taken through the wards between meals and at bed time, and distributed to the old, the feeble and the convalescent classes.]

BILL OF FARE No. 1.

BREAKFAST.

Monday. — Tea, oatmeal, coffee, broiled beefsteak or eggs, potatoes, warm rolls ("biscuit"), bread and butter.

Tuesday. — Tea, coffee, oatmeal, fried tripe,¹ potatoes, warm rolls, bread and butter.

Wednesday. — Tea, coffee, oatmeal, broiled beefsteak or eggs, potatoes and warm brown (rye and Indian) bread.

Thursday. — Tea, coffee, oatmeal, broiled beefsteak, potatoes, warm rolls, bread and butter.

Friday. — Tea, coffee, oatmeal, fried tripe,¹ potatoes, warm rolls, bread and butter.

Saturday. — Tea, coffee, oatmeal, either fried fish-balls or liver, meat hash, hot corn cake, bread and butter.

Sunday. — Tea, coffee, oatmeal, eggs, potatoes, warm rolls, bread and butter and fried Indian corn pudding.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable,² bread and butter, boiled rice with syrup or sugar.

Tuesday. — Vegetable soup, roast or stewed veal,³ potatoes and one other vegetable,² bread and butter, and baked Indian pudding.

Wednesday. — Either roasted or boiled mutton, potatoes and one other vegetable,² bread and butter, and berry or apple pudding, with sauce.⁴

Thursday. — Vegetable soup, corned beef, potatoes and one other vegetable,² bread and butter, and boiled suet pudding, with syrup.

¹ Tripe is replaced in winter by sausages, and in spring by fried ham and eggs, except in the season of shad, when that fish is given once each week instead of ham and eggs, and once instead of beefsteak.

² At least three vegetables during the summer.

³ Substituted in winter by fresh pork ribs, roasted.

⁴ In spring, maple syrup is used as sauce for puddings.

Friday. — Either fried or baked fresh fish,¹ or stewed or roasted veal, potatoes and one other vegetable,² bread and butter, and tapioca pudding or raisin pudding of either rice, bread or cracker.

Saturday. — Baked beans, corned beef, potatoes and one other vegetable,² pickles, bread and butter, and baked bread pudding.

Sunday. — Stewed mutton, sweet potatoes, warmed baked beans, pickles, bread and butter and pies, the kind varying with the season.

SUPPER.

Monday. — Tea and bread, warm corn cake and butter, hard gingerbread and a relish.³

Tuesday. — Tea, white bread, graham bread and butter, soft gingerbread and a relish in the warm season, substituted by buckwheat cakes in the cold season.

Wednesday. — Tea, bread and butter, pie (the kind varying with the season) and ginger snaps and a relish.

Thursday. — Tea, bread and butter, cookies and cheese.

Friday. — Tea, bread and butter, cake (the kind varying) and a relish.

Saturday. — Tea, bread and butter, doughnuts and cheese.

Sunday. — Tea, bread and butter, cookies and ginger snaps and blanc-mange or corn starch.

Extra. — In the winter and spring months hulled corn at supper, once in two weeks, on Saturdays.

BILL OF FARE No. 2.

BREAKFAST.

Monday. — Coffee, oatmeal, boiled eggs, potatoes, and bread and butter.

Tuesday. — Coffee, oatmeal, cold roast beef, potatoes, and bread and butter.

Wednesday. — Coffee, oatmeal, meat stew or boiled eggs, potatoes, and warm rye and Indian corn brown bread and butter.

Thursday. — Coffee, oatmeal, picked codfish cooked in milk, potatoes, and bread and butter.

Friday. — Coffee, oatmeal, cold corned beef or meat stew, potatoes, and bread and butter.

Saturday. — Coffee, oatmeal, hash, either of meat or fish, and bread and butter.

Sunday. — Coffee, oatmeal, boiled eggs, potatoes, and bread and butter.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable,² boiled hominy with molasses, and bread.

¹ Substituted by stewed oysters in winter and spring, with some kind of roasted meat for those who prefer it.

² At least three vegetables during the summer.

³ This term, used for the want of a better, includes dried beef, berries, baked apples, apple sauce and canned fruits, all of which are supplied, and each according to the season.

Tuesday.—Vegetable soup, potatoes and one other vegetable,¹ baked Indian pudding² and bread.

Wednesday.—Boiled codfish with drawn-butter sauce, potatoes and one other vegetable,¹ boiled hasty pudding with molasses, and bread.

Thursday.—Vegetable soup, potatoes, cabbage or some other vegetable,¹ boiled rice with molasses,³ and bread.

Friday.—Boiled fresh fish with drawn-butter sauce, potatoes, beets or some other vegetable,¹ boiled hasty pudding with molasses, and bread.

Saturday.—Hot baked beans, potatoes, baked Indian or bread pudding, pickles and bread.

Sunday.—Cold corned beef, potatoes, pies (the kind varying with the season) and bread.

SUPPER.

Monday.—Tea, bread and butter, and hard gingerbread.

Tuesday.—Tea, bread and butter, and soft gingerbread.

Wednesday.—Tea, bread and butter, cake or ginger snaps, and some kind of relish.

Thursday.—Tea, bread and butter, and cookies.

Friday.—Tea, bread and butter, and soft gingerbread.

Saturday.—Tea, bread and butter, cake or ginger snaps, sauce.

Sunday.—Tea, bread and butter, and cookies.

EXTRAS.

In the winter and spring months, hulled corn at supper on Saturdays.

In August and September these tables are furnished at supper with either berries, tomatoes or baked apples, as many as five times a week.

In eight halls, sauce of either fresh or dried apples is furnished four times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day and on Christmas, with vegetables, celery, cranberry sauce, pudding, pie and cider.

From four to five bushels of green sweet corn in the ear is consumed in its season, daily, with the exception of Sunday.

Strawberries, tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring, cowslips and dandelions are largely used as greens, and horse-radish as a condiment.

During eight months of the year, apples are distributed, daily, among the patients.

Beef tea, chicken broth, mutton broth, scalded milk, arrow-root gruel, oatmeal gruel, milk punch, cracked wheat, oatmeal porridge, dry toast, milk toast, toast with dropped egg and boiled eggs, for invalids and all who are not able to take the regular fare.

¹ At least three vegetables in the summer.

² All baked puddings for the whole household are made with milk.

³ Maple syrup is furnished, in place of molasses, three or four times in the spring.

ARTICLES MADE IN SEWING ROOM.

Aprons,	370	Milk cloths,	90
Aprons with long sleeves,	11	Napkins,	444
Bath robes,	19	Night gowns,	132
Bureau covers,	332	Night caps,	28
Canvas chair seats,	6	Ox blankets,	18
Caps,	239	Pillow cases,	1,453
Chapel dresses,	17	Pillow ticks,	377
Chemises,	45	Rugs,	24
Cloth bags,	213	Sheets,	375
Corset covers,	24	Shirts,	619
Curtains,	187	Shirt waists,	12
Cushion covers,	24	Skirts,	135
Drawers,	213	Table cloths,	112
Dresses,	192	Towels,	3,661
Mattress ticks,	155	Articles repaired,	32,929

UPHOLSTERY DONE IN THE YEAR.

Hair mattresses made, new material,	8
Hair mattresses made, new ticks,	67
Hair mattresses made, old material,	99
Hair pillows made, new material,	24
Hair pillows made, new ticks,	161
Hair pillows made, old material,	90
Feather pillows made, new ticks,	74

FARM PRODUCTS.

Apples, 480 barrels, .	\$960 00	Melons, musk, 3,300	
Asparagus, 19 bushels, .	57 00	pounds, . . .	\$33 00
Beans, string, 71 bushels, .	35 50	Melons, water, 12,495	
Beans, Lima, 141 bushels, .	141 00	pounds, . . .	124 95
Beef, 25,330 pounds, .	1,677 15	Milk, 271,568 quarts, .	13,578 40
Beet greens, 12 bushels, .	6 00	Onions, 369 bushels, .	186 75
Beets, sugar, 286 bushels, .	114 40	Oats on straw, 4 tons, .	60 00
Beets, table, 513 bushels, .	209 20	Oat straw, 4 tons, .	40 00
Broom corn, 1,900		Parsley, 8 bushels, .	8 00
bushels, . . .	114 00	Parsnips, 200 bushels, .	120 00
Broom corn seed, 90		Peaches, $\frac{1}{2}$ bushel, .	1 00
bushels, . . .	54 00	Pears, 40 bushels, .	80 00
Cabbage, 4,163 heads, .	172 28	Pease, 103 bushels, .	103 00
Carrots, 336 bushels, .	137 80	Peppers, 3 bushels, .	3 00
Celery, 247 dozen, .	247 00	Pigs, roast, 2, . . .	5 00
Chicken, 1,286 pounds, .	261 20	Plums, 2 bushels, .	3 00
Cider, 1,030 gallons, .	123 60	Pork, 36,079 pounds, .	2,648 03
Corn, green, 285 bushels, .	285 00	Posts, 60, . . .	15 00
Corn, shelled, 800 bushels, .	480 00	Potatoes, 1,460 bushels, .	876 00
Corn stalk, 55 bushels, .	275 00	Quince, 9 bushels, .	9 00
Cucumbers, 127 bushels, .	63 50	Raspberries, 213 quarts, .	21 30
Currants, 163 quarts, .	16 30	Rhubarb, 129 bushels, .	96 75
Eggs, 567 dozen, .	168 80	Rye straw, 5 tons, .	75 00
Ensilage, 350 tons, .	1,175 00	Sage, 6 bushels, .	6 00
Cherries, 118 quarts, .	11 80	Spinach, 194 bushels, .	145 50
Grain, rye, 100 bushels, .	70 00	Squash, summer, 99	
Hay, Earle & Jewett lots,		bushels, . . .	49 50
44 tons, . . .	660 00	Squash, winter, 12 tons, .	240 00
Hay, first growth, 320		Strawberries, 2,450	
tons, . . .	4,800 00	quarts, . . .	245 00
Hay, second growth, 83		Swiss chard, 390 bushels, .	195 00
tons, . . .	996 00	Turnips, English, 10	
Hay for bedding, 5 tons, .	40 00	bushels, . . .	2 50
Ice, 600 tons, . . .	600 00	Turnips, Swede, 1,200	
Lettuce, 53 bushels, .	53 00	bushels, . . .	300 00
Lumber, 18,000 feet, .	450 00	Veal, 832 pounds, .	99 84
		Wood, 36 cords, .	108 00

Amount carried forward, \$33,933 05

Amount brought forward, \$33,933 05

Sales : —

Cows, 2,	. . . . .	\$80 00	
Calves, 31,	. . . . .	290 00	
Horses, 2,	. . . . .	385 00	
Hides,	. . . . .	187 03	
Ice,	. . . . .	3 68	
Oxen,	. . . . .	512 20	
Pigs, 520,	. . . . .	1,729 99	
Rent,	. . . . .	110 00	
Roosters, 9,	. . . . .	11 77	
Sand,	. . . . .	36 35	
Miscellaneous,	. . . . .	44 35	
			3,390 37
Total,	. . . . .	\$37,323 42	

Live stock belonging to the hospital : —

Cows, 84,	. . . . .	\$5,260 00	
Heifers, 13,	. . . . .	570 00	
Calves, 11,	. . . . .	220 00	
Bulls, 3,	. . . . .	250 00	
Oxen, 18,	. . . . .	1,800 00	
Steers, 4,	. . . . .	300 00	
Horses, 16,	. . . . .	3,025 00	
Swine, 276,	. . . . .	2,330 00	
Fowls, 310,	. . . . .	232 50	
			\$13,987 50

OFFICERS AND EMPLOYEES.

[Time employed, Nov. 30, 1906.]

NAMES.	Years.	Months.	Days.
John A. Houston, M.D., superintendent, . . .	17	2	7
Harriet M. Wiley, M.D., assistant physician, . .	6	9	29
Charles H. Dean, M.D., assistant physician, . .	6	6	21
Edward W. Whitney, M.D., assistant physician, .	1	2	11
Grace E. B. Rice, M.D., assistant physician, . .	3	—	27
C. Stanley Raymond, M.D., assistant physician, .	—	5	—
Lewis F. Babbitt, treasurer,	15	1	18
George T. Gilbert, engineer,	4	2	—
John Mercier, farmer,	39	4	—
Joseph G. Cook, farmer,	—	4	5
Susan E. Warren, matron,	12	8	8
Burton G. Fiske, superintendent of nurses, . .	3	2	8
Mary E. Root, superintendent of nurses, . . .	3	11	2
Alice E. Bedell, assistant superintendent of nurses,	3	11	28
Lucy A. Gilbert, clothes marker,	38	10	17
George N. Drury, steward,	9	2	—
Mattie G. Jones, secretary to superintendent, .	13	4	11
Helen M. Bailey, stenographer,	—	5	26
William J. Moore, assistant steward,	10	1	3
Herbert W. Root, assistant steward,	7	6	22
Herbert E. Walker, baker,	8	8	18
J. E. Cook, assistant baker,	7	9	—
Susie A. Metcalf, seamstress,	2	6	2
Helfrid N. Lawson, assistant seamstress, . . .	—	10	19
Charles E. Williams, laundryman,	9	2	29
Margaret Sweeney, laundress,	1	9	27
Lillian Ellsworth, laundress,	1	11	11
Marie Lester, laundress,	1	6	13
Ellen Moore, laundress,	—	5	2
Fred Aldrich, nurse,	7	7	1
James Campbelle, fireman,	3	3	16
Charles Rathburn, nurse,	2	—	—
Alexander Beaton, nurse,	1	6	17
Robert A. Pike, nurse,	6	6	—
Orrin B. Blodgett, nurse,	1	4	12
Harold McNeil, nurse,	1	3	23
Raymond Ormsby, nurse,	1	3	18
Fred R. Noyes, nurse,	1	2	9
Frank H. Bohmer, nurse,	1	1	28
Harry McCoy, nurse,	1	1	20
Thomas C. Fickett, nurse,	2	5	11
Frank Keyes, nurse,	—	11	25

NAMES.	Years.	Months.	Days.
Alonzo C. Roberts, nurse,	1	1	9
George Metcalf, nurse,	1	6	20
L. L. Edwards, nurse,	—	6	21
Timothy O'Brien, nurse,	—	6	9
C. M. Pease, nurse,	—	6	5
J. Homer Moran, nurse,	—	5	25
Robert Jackson, nurse,	—	5	18
Leon C. Bruce, nurse,	—	5	—
John Morlin, nurse,	—	4	—
Alvin L. Mank, nurse,	—	3	1
A. B. Bouley, nurse,	—	3	—
Fred C. Colthurst, nurse,	—	2	15
William J. Paine, nurse,	—	2	5
A. V. Elmer, nurse,	—	5	5
Arthur Joslyn, nurse,	—	1	26
John E. Harkness, nurse,	—	1	23
Charles H. Cone, nurse,	—	—	25
Harry F. Black, nurse,	—	—	20
Joseph A. Burns, nurse,	—	—	15
Belle McLaurin, nurse,	4	8	10
Daisy Colton, nurse,	3	7	24
Kate Riley, nurse,	3	—	23
Effie Mahy, nurse,	2	4	24
Clara La Due, nurse,	2	2	29
Madalena Rice, nurse,	2	1	15
Elizabeth Graham, nurse,	2	—	11
Emily A. Stewart, nurse,	2	—	—
Bessie M. Lane, nurse,	1	10	25
Margaret Smith, nurse,	1	10	16
Sadie Brown, nurse,	1	9	28
Lillian Brown, nurse,	1	9	4
Elida Hervieux, nurse,	1	8	9
Ava R. Allyn, nurse,	1	7	27
Corrinne Blodgett, nurse,	1	5	26
Eulalie Lamb, nurse,	1	4	7
Mary Sullivan, nurse,	1	2	2
Hannah Bollivar, nurse,	1	2	1
Marie Bollivar, nurse,	1	2	1
Alice Robinson, nurse,	1	1	14
Ima Coy, nurse,	1	1	1
Phœbe Wheeler, nurse,	—	10	20
Sophie Heizman, nurse,	—	8	15
Annie Edwards, nurse,	—	5	21
Mabel James, nurse,	—	5	22
Niola Watson, nurse,	—	5	19
Mary E. James, nurse,	—	4	11
Louise Coulter, nurse,	—	4	27
Annie Wilson, nurse,	—	3	24
Gertrude Wilson, nurse,	—	3	24
L. Mank, nurse,	—	3	1
Mary Cunningham, nurse,	—	2	16
Clara Kent, nurse,	—	1	27
May Conelly, nurse,	—	1	21
May Hobus, nurse,	—	1	21
Sarah Mank, nurse,	—	1	21

NAMES.	Years.	Months.	Days.
Amy Yeo, nurse,	—	1	16
Pearl Simmons, nurse,	—	1	16
Margaret Beardsworth, usher,	1	4	10
Harriet Briggs, rear housework,	5	3	22
Gertrude Hilton, dining-room,	2	6	2
Edith Ryan, center housework,	3	—	20
Walter D. Newton, assistant engineer,	6	10	16
Ellis A. Potter, fireman,	2	7	25
George Thornily, florist,	13	7	11
Sifroi Belleville, carpenter,	35	5	29
Albert De Grandpre, carpenter,	1	10	—
Walter Tower, carpenter,	27	10	—
Alfred Parenteau, painter,	39	3	17
Thomas P. Clair, plumber,	8	7	1
Roscoe Tobin, plumber,	4	—	28
James Ryan, fireman,	3	2	17
Martin Sornborger, mechanic,	3	—	6
Bernard Kilkenney, mechanic,	8	3	12
David Mercier, coachman,	29	9	13
Xavier Dion, farmer,	13	5	16
B. McNamara, farmer,	8	7	8
Benjamin W. Read, farmer,	7	1	—
Henry Eggleston, farmer,	4	5	27
Henry Fuller, farmer,	5	9	2
Joseph Young, farmer,	1	8	—
Joseph Berube, farmer,	2	5	26
Tom Drozdial, farmer,	2	—	—
Edgar Styles, kitchen,	1	4	20
Walter C. Streeter, herdsman,	3	3	1
Harry W. Love, watchman,	2	11	21
Wendell C. Davis, farmer,	1	1	21
Harry B. Ballard, farmer,	—	6	27
H. Ohrstrom, gardener,	—	5	25
Thomas Crafts, farmer,	—	3	17
George Cutting, farmer,	—	3	23
R. W. Gillett, farmer,	—	3	3
A. F. Sibley, farmer,	—	3	2
E. S. Linscott, farmer,	—	3	1
J. N. Hamilton, farmer,	—	3	—
Peter Brulotte, assistant engineer,	—	—	17
John W. Howe, kitchen,	2	2	25
Ada Hilton, housework,	1	1	14
Clara Adams, kitchen,	1	—	15
Martha Adams, kitchen,	—	10	25
A. C. Burnett, painter,	—	6	28
Agnes Gnoctic, kitchen,	—	4	—
Victoria Fitticizeli, kitchen,	—	3	27
Helen Heffernan, kitchen,	—	4	—
Jenny Pedersen, housework,	—	2	27
Kate Sullivan, kitchen,	—	2	24
Mary McGowan, cook,	—	2	—
Elizabeth Roy, housework,	—	1	26
Cora Roy, center dining-room,	—	1	26

LIST OF PERSONS REGULARLY EMPLOYED AT THE NORTHAMPTON STATE HOSPITAL.

Superintendent and physician,	per year,	\$3,000 00
Assistant physician,	"	1,200 00
Assistant physician,	"	1,000 00
Assistant physician,	"	700 00
Assistant physician,	"	700 00
Assistant physician,	"	500 00
Treasurer and clerk,	"	1,800 00
Engineer, with house rent,	"	1,200 00
Farmer,	"	900 00
Farmer,	"	780 00
Florist, without board,	"	700 00
Matron,	per month,	35 00
Superintendent of nurses,	"	40 00
Superintendent of nurses,	"	40 00
Assistant superintendent of nurses,	"	35 00
Secretary to superintendent,	"	38 00
Stenographer,	"	30 00
Seamstress,	"	25 00
Assistant seamstress,	"	20 00
Laundryman,	"	50 00
Laundresses (four),	"	18 00
Baker,	"	60 00
Assistant baker,	"	45 00
Steward, with partial board,	"	60 00
Assistant steward,	"	50 00
Assistant steward,	"	40 00
Nurses (men, thirty-two),	"	\$21 00 to 33 00
Nurses (women, thirty-eight),	"	14 00 to 25 00
Usher,	"	18 00
Housemaids (four),	"	\$16 00 to 18 00
Waitress,	"	18 00
Waitress,	"	18 00
Waitress,	"	16 00
Cooks (three),	"	\$20 00 to 30 00
Kitchen girls (five),	"	14 00 to 16 00
Clothes marker,	"	25 00

Painter,	per month,	\$60 00
Painter,	"	50 00
Assistant engineer (two),	"	\$35 00 to 55 00
Firemen (two),	"	33 00 to 40 00
Fireman,	"	35 00
Coachman,	"	40 00
Farm laborers (sixteen),	"	\$25 00 to 30 00
Herdsmen,	"	35 00
Carpenter,	"	60 00
Carpenter,	per day,	2 00
Carpenter,	"	2 75
Plumber,	"	2 25
Plumber,	per month,	82 50
Plumber,	"	40 00
Mechanic,	"	35 00
Mechanic,	"	50 00
Watchman,	"	35 00
Gardener,	"	50 00
Kitchen helper (two),	"	\$28 00 to 30 00

TREASURER'S REPORT.

To the Trustees of the Northampton State Hospital.

I herewith submit my annual report of the finances of the Northampton State Hospital for the fourteen months ending Nov. 30, 1906:—

ASSETS.

Five hundred and eleven acres of land,	\$56,900 00
Hospital building,	600,000 00
Farmhouse,	1,500 00
Brick house,	1,700 00
Six dwellings,	4,000 00
Storehouse, shops and cold storage,	30,000 00
Two barns,	5,000 00
New cow stable,	13,000 00
Horse stable,	6,000 00
Piggery,	3,000 00
Lumber shed,	850 00
Cart shed,	400 00
Pump house,	500 00
Two ice houses,	300 00
Paint house,	500 00
	\$723,650 00

PERSONAL ESTATE.

Inventory of Stock and Supplies on Hand Nov. 30, 1906.

Live stock on farm,	\$13,987 50
Produce of farm on hand,	13,252 06
Carriages and agricultural implements,	4,117 00
Machinery and mechanical fixtures,	21,750 00
Beds and bedding in inmates' department,	16,000 00
Other furniture in inmates' department,	12,000 00
Personal property of State in superintendent's department,	10,000 00
Ready-made clothing,	1,712 66
Dry goods,	1,350 30
Provisions and groceries,	9,979 61
Drugs and medicines,	600 00
Fuel,	8,853 00

Amount carried forward, \$113,602 13

<i>Amount brought forward,</i>		\$113,602 13	
Library,		1,250 00	
Tobacco,		155 00	
Other supplies undistributed,		3,804 50	
			\$118,811 63

RECEIPTS.

Cash on hand Oct. 1, 1905,		\$2,530 19	
Received from individuals for support of patients,	\$37,775 82		
Received from individuals, reimbursements,	9,201 13		
Received from soldiers' relief,	126 74		
Received from sales, farm produce,	3,390 37		
Received from sales, miscellaneous articles,	2,077 68		
Received from interest on bank deposit,	125 00		
Received from State Treasurer for current expenses,	180,850 13		
Received from State Treasurer for special appropriation,	9,191 44		
			242,738 31
Total receipts,			\$245,268 50

DETAILED EXPENSES, SEPT. 30, 1905, TO NOV. 30, 1906.

Salaries, wages and labor: —

Medical service,	\$7,566 46	
Ward service,	22,088 32	
General administration,	17,347 09	
Repairs and improvements,	6,815 90	
Farm, stable and grounds,	9,426 37	
		\$63,244 14

Food: —

Butter,	\$6,739 75
Beans,	331 54
Bread and crackers,	676 07
Cereals, rice, meal, etc.,	1,313 48
Cheese,	377 49
Eggs,	7,199 36
Flour,	5,175 93
Fish,	2,495 77
Fruit,	2,244 19
Meats,	8,362 85
Milk,	1,300 50
Molasses and syrup,	609 32
Sugar,	3,619 02
Sundries,	798 98
Tea, coffee and broma,	1,468 47
Vegetables,	1,049 74

<i>Amounts carried forward,</i>	\$43,762 46	\$63,244 14
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<i>Amounts brought forward,</i>	\$43,762 46	\$63,244 14
Yeast and baking powder,	403 45	
Salt,	130 75	
		44,296 66
Clothing and clothing materials:—		
Boots, shoes and rubbers,	\$1,070 61	
Clothing,	1,764 98	
Dry goods for clothing,	2,031 77	
Furnishing goods,	213 99	
Hat and caps,	105 10	
Leather and shoe findings,	16 00	
Sundries,	45 47	
		5,247 92
Furnishings:—		
Beds, bedding and table linen,	\$2,739 65	
Brushes, brooms, etc.,	121 75	
Carpets, rugs, etc.,	62 20	
Crockery, glassware, etc.,	856 92	
Furniture and upholstery,	1,678 12	
Kitchen furnishings,	69 57	
Woodenware, buckets and pails,	5 35	
Sundries,	1 50	
		5,535 06
Heat, light and power:—		
Coal,	\$16,739 42	
Electricity,	34 57	
Gas,	126 42	
Oil,	217 75	
Sundries,	614 60	
		17,732 76
Repairs and improvements:—		
Brick,	\$304 51	
Cement, lime and plaster,	211 45	
Doors, sashes, etc.,	308 63	
Electric work and supplies,	1,215 32	
Hardware,	3,142 80	
Lumber,	1,844 50	
Machinery, etc.,	159 17	
Paints, oil, glass, etc.,	2,074 35	
Plumbing, steam fitting and supplies,	1,218 25	
Roofing and materials,	82 10	
Mechanics and laborers not on pay roll,	3,253 31	
Sundries,	59 54	
Cold storage,	463 79	
		14,337 72
Farm, stable and grounds:—		
Blacksmith supplies,	\$486 15	
Carriages, wagons and repairs,	1,393 93	
<i>Amounts carried forward,</i>	\$1,880 08	\$150,394 26

<i>Amounts brought forward,</i>	\$1,880 08	\$150,394 26
Fertilizers, vines, seeds, etc.,	1,495 23	
Hay, grain, etc.,	8,252 56	
Harnesses and repairs,	241 95	
Cows,	1,842 00	
Horses,	655 00	
Other live stock,	1,397 50	
Rent,	117 14	
Tools, farm machines, etc.,	509 45	
Sundries,	277 15	
Labor not on pay roll,	256 55	
	<hr/>	16,924 61
<i>Miscellaneous:—</i>		
Books, periodicals, etc.,	\$198 77	
Chapel services and entertainments,	891 00	
Freight, expressage and transportation,	1,327 90	
Funeral expenses,	54 00	
Labor not on pay roll,	186 25	
Medicines and hospital supplies,	1,989 03	
Medical attendance, nurses, and patients boarded out,	635 66	
Postage,	208 70	
Printing and printing supplies,	123 25	
Printing annual report,	165 41	
Return of runaways,	106 36	
Soap and laundry supplies,	1,768 75	
Stationery and office supplies,	322 08	
Travel and expenses, official,	393 66	
Telephone and telegraph,	214 82	
Tobacco,	700 99	
Water,	3,614 04	
Sundries,	630 59	
	<hr/>	13,531 26
Total expenses for fourteen months,		\$180,850 13
Paid from special appropriations,	\$9,191 44	
Receipts paid to State Treasurer,	55,226 93	
	<hr/>	64,418 37
Total expenditures,		\$245,268 50

RESOURCES AND LIABILITIES.

Resources.

Balance of maintenance appropriation with State		
Treasurer,	\$10,390 71	
Unexpended special appropriations,	23,564 24	
	<hr/>	
Total resources,		\$33,954 95
<i>Amount carried forward,</i>		\$33,954 95

Amount brought forward, \$33,954 95

Liabilities.

Salaries, wages and labor,	\$5,053 78
Food,	2,437 75
Clothing,	342 57
Furnishings,	196 83
Heat, light and power,	12 46
Repairs and improvements,	297 69
Farm, stable and grounds,	871 28
Miscellaneous,	1,176 53

Total liabilities, 10,388 89

Balance for the institution, \$23,566 06

During the fourteen months the average number of patients has been,	768 02
Dividing the total expenditure for maintenance (\$180,850.13) by the average number, gives an average annual cost of	\$235 47
Equivalent to an average weekly cost of	3 86

STATEMENT OF FUNDS.

Fred B. Kelly Fund.

Balance on hand Oct. 1, 1905,	\$625 09
Interest to Oct. 1, 1906,	35 01

Balance in Northampton Institution for Savings, . . . \$660 10

Respectfully submitted,

LEWIS F. BABBITT,

Treasurer.

We have examined, as auditors, the accounts of the treasurer, and found a satisfactory voucher for every entry.

ALVAN BARRUS.

CHARLES S. SHATTUCK.

SUPPLEMENTARY STATEMENT

RELATING TO SPECIAL APPROPRIATIONS.

OBJECT.	Resolve.	Whole Amount.	Land.	For Patients and Nurses.	Farm, Stable and Grounds.	Total Buildings and Additions.	Repairs and Improvements.	Furnishing and equipping.	Total Expenditures since Last Statement.	Expended to Date.	Balance.
Infirmary, north wing, . . .	1903,	\$65,000 00	-	\$3,234 60	-	-	-	-	\$3,234 60	\$65,000 00	-
Furnishing men's infirmary, . .	1904,	6,500 00	-	-	-	-	-	\$1,956 85	1,956 85	5,880 48	\$619 52
Installing telephones and clocks, .	1904,	1,800 00	-	-	-	-	-	-	-	805 29	994 71
Purchase of land and buildings, .	1905,	5,500 00	-	-	-	-	-	-	-	5,050 00	450 00
Engine and electric generator, . .	1906,	4,000 00	-	-	-	-	\$3,999 99	-	3,999 99	3,999 99	01
Construction of bothouse, . . .	1905,	1,500 00	-	-	-	-	-	-	-	-	1,500 00
Installation of better water supply, .	1906,	17,500 00	-	-	-	-	-	-	-	-	17,500 00
Paint house and workshop, . . .	1906,	2,500 00	-	-	-	-	-	-	-	-	2,500 00
Totals,	-	\$104,300 00	-	\$3,234 60	-	-	\$3,999 99	\$1,956 85	\$9,191 44	\$80,735 76	\$23,564 24

STATISTICAL TABLES.

[FORM PRESCRIBED BY STATE BOARD OF INSANITY.]

1. — General Statistics of the Year.

	INSANE.			NOT INSANE, VOLUNTARY.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1905,									
Admitted within the year,	397	373	770	-	1	1	397	374	771
Viz.: by commitment,	152	135	287	-	2	2	152	137	289
voluntary,	134	118	252	-	-	-	134	118	252
by transfer,	1	1	2	-	2	2	1	3	4
from escape,	1	2	3	-	-	-	1	2	3
nominally admitted from visit for discharge,	1	-	1	-	-	-	1	1	2
Whole number of cases within the year,	15	12	27	-	-	-	15	12	27
Dismissed within the year,	549	508	1,057	-	3	3	549	511	1,060
Viz.: discharged,	156	131	287	-	2	2	156	133	289
as recovered,	62	57	119	-	2	2	62	59	121
as capable of self-support,	14	15	29	-	-	-	14	15	29
as improved,	20	12	32	-	-	-	20	12	32
as not improved,	15	22	37	-	-	-	15	22	37
as not insane,	13	7	20	-	-	-	13	7	20
died,	-	1	1	-	2	2	-	3	3
transferred,	45	23	73	-	-	-	45	28	73
escaped,	30	26	56	-	-	-	30	26	56
on visit October 1,	3	-	3	-	-	-	3	-	3
Patients remaining Sept. 30, 1906,	16	20	36	-	-	-	16	20	36
Viz.: supported as State patients,	393	377	770	-	1	1	393	378	771
as private patients,	325	282	607	-	-	-	325	282	607
as reimbursing patients,	39	66	105	-	1	1	39	67	106
Number of different persons within the year,	29	29	58	-	-	-	29	29	58
Number of different persons admitted,	533	495	1,028	-	3	3	533	498	1,031
Number of different persons admitted by commitment,	136	123	259	-	2	2	136	125	261
Number of different persons recovered,	134	119	253	-	-	-	134	119	253
Daily average number of patients,	14	15	29	-	-	-	14	15	29
Viz.: State patients,	393.1	372.8	765.9	-	1	1	393.1	373.8	766.9
private patients,	328.66	280.59	609.25	-	-	-	328.66	280.59	609.25
reimbursing patients,	41.8	64.8	106.6	-	1	1	41.8	65.8	107.6
	22.64	27.41	50.05	-	-	-	22.64	27.41	50.05

2. — *Insane received on First and Subsequent Commitments.*

NUMBER OF COMMITMENTS.	CASES COMMITTED.		
	Males.	Females.	Totals.
First to this hospital,	116	101	217
Second to this hospital,	14	14	28
Third to this hospital,	5	2	7
Fifth to this hospital,	1	—	1
Seventh to this hospital,	—	1	1
Total cases,	136	118	254
Total persons,	135	118	253
Never before in any hospital for insane,	106	92	198

3. — Nativity and Parentage of Insane Persons first admitted to Any Hospital.

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.
Massachusetts,	44	19	20	36	14	20	80	33	40
Other New England States, .	13	19	15	9	12	7	22	31	22
Other States,	12	8	11	13	8	8	25	16	19
Total native,	69	46	46	58	34	35	127	80	81
Other countries: —									
Austria,	1	2	2	4	4	4	5	6	6
Bohemia,	1	—	—	—	—	—	1	—	—
Canada,	7	11	11	7	12	10	14	23	21
England,	2	3	2	1	1	1	3	4	3
France,	1	2	2	—	—	—	1	2	2
Germany,	2	3	3	1	3	3	3	6	6
Ireland,	15	29	30	14	29	30	29	58	60
Italy,	—	—	—	1	1	1	1	1	1
Poland,	3	3	3	2	2	2	5	5	5
Russia,	3	3	3	—	—	—	3	3	3
Scotland,	2	2	2	2	2	2	4	4	4
Sweden,	—	—	—	1	1	1	1	1	1
Total foreign,	37	58	58	33	55	54	70	113	112
Unknown,	—	2	2	1	3	3	1	5	5
Totals,	106	106	106	92	92	92	198	198	198

4. — *Residence of Insane Persons admitted by Commitment.*

PLACES.	FIRST ADMITTED TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTALS.		
	Males.	Females	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Hampshire County,	18	20	38	4	4	8	22	24	46
Hampden County,	47	55	102	13	13	26	60	68	128
Berkshire County,	13	4	17	1	5	6	14	9	23
Franklin County,	28	13	41	10	5	15	38	18	56
Totals,	106	92	198	28	27	55	134	119	253
Unknown,	-	-	-	-	-	-	-	-	-
Totals,	106	92	198	29	27	56	135	119	254
Cities and towns,	81	78	159	17	20	37	98	98	196
Country districts,	25	14	39	11	7	18	36	21	57
Totals,	106	92	198	28	27	55	134	119	253

5. — *Civil Condition of Insane Persons first admitted to Any Hospital.*

	Males.	Females.	Totals.
Unmarried,	39	38	77
Married,	56	37	93
Widowed,	11	15	26
Divorced,	-	2	2
Unknown,	-	-	-
Totals,	106	92	198

6. — *Occupation of Insane Persons first admitted to Any Hospital.*

MALES.

Advertising agent, . . .	1	Machinists,	2
Artist,	1	Mechanic,	1
Baker,	1	Metal worker,	1
Bank cashier,	1	Milliner,	1
Barber,	1	Musicians,	2
Bartender,	1	Operatives,	12
Bell boys,	2	Painters,	5
Butter maker,	1	Peddler,	1
Carpenters,	4	Photographer,	1
Cigar makers,	2	Physician,	1
Contractor,	1	Railroad section hand, . .	1
Cutlery polisher,	1	Salesman,	1
Dentists,	2	Shoemakers,	2
Electricians,	2	Stationary engineers, . .	3
Engineers,	2	Steam fitter,	1
Farmers,	8	Stone mason,	1
Farm laborers,	3	Teacher,	1
Filer,	1	Teamster,	1
Firemen,	2	Trunk maker,	1
Granite dealer,	1	Wood chopper,	1
Laborers,	20	No occupation,	7
Liquor dealer,	1	Total,	106

6. — *Occupation of Insane Persons first admitted to Any Hospital*
— Concluded.

FEMALES.

Bookkeeper,	1	Operatives,	17
Domestics,	11	Stenographer,	1
Dressmaker,	1	Students,	2
Housekeepers,	9	Tailoress,	1
Medium,	1	No occupation,	21
Milliner,	1	Total,	66

WIFE OF —

Armorer,	1	Moulder,	1
Druggist,	1	Operative,	5
Engineer,	3	Peddler,	1
Farmer,	6	Shoemaker,	1
Laborer,	4	Telegrapher,	1
Leather worker,	1	Total,	26
Mason,	1		

7. — *Ages of Insane at First Attack, Admission and Death.*

	FIRST ADMITTED TO ANY HOSPITAL.				DIED.			
	AT FIRST ATTACK.		WHEN ADMITTED.		AT FIRST ATTACK.		AT TIME OF DEATH.	
	Males.	Females.	Totals.		Males.	Females.	Totals.	
Congenital,	15	10	25	-	3	1	4	-
15 years and less,	-	5	5	3	-	-	-	-
From 15 to 20 years,	5	7	12	14	1	-	1	1
20 to 25 years,	5	4	9	13	1	1	2	-
25 to 30 years,	8	8	16	15	2	1	3	-
30 to 35 years,	13	7	20	10	3	2	5	1
35 to 40 years,	11	5	16	8	5	3	8	3
40 to 50 years,	16	15	31	16	3	7	10	6
50 to 60 years,	12	12	24	13	7	5	12	11
60 to 70 years,	5	7	12	7	7	3	10	11
70 to 80 years,	13	9	22	11	10	4	14	16
Over 80 years,	1	1	2	4	2	-	2	8
Totals,	104	90	194	92	44	27	71	73
Unknown,	2	2	4	-	1	1	2	-
Totals,	106	92	198	92	45	28	73	73
Mean known ages,	40.4	40.	40.3	44.5	54.2	49.1	53.8	58.7

8. — Probable Causes of Mental Disease in Persons first admitted to Any Hospital.

EXCITING CAUSES.	ADMITTED.			PREDISPOSING CAUSES.								
	Males.	Females.	Totals.	HEREDITARY TENDENCY.			NEUROTIC TENDENCY.			ALCOHOLIC TENDENCY.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Cerebral hemorrhage,	5	3	8	-	-	-	-	-	-	1	-	1
Congenital deficiency,	20	10	30	5	5	10	-	-	-	-	-	-
Drug habits,	2	-	2	-	3	3	-	-	-	-	-	-
Epilepsy,	6	6	12	-	-	-	-	-	-	-	-	-
Hereditary,	12	16	28	12	16	28	-	-	-	-	-	-
Heredity and intemperance,	1	1	2	-	1	1	-	-	-	-	-	-
Illness,	1	1	2	-	-	-	-	-	-	-	-	-
Intemperance,	30	10	40	4	3	7	-	-	-	30	10	40
Intemperance and excessive tobacco,	1	-	1	-	-	-	-	-	-	1	-	1
Intemperance and senility,	1	1	2	-	-	-	-	-	-	1	1	2
Menopause,	1	11	12	-	5	5	-	1	1	-	-	-
Pregnancy,	-	1	1	-	1	1	-	-	-	-	-	-
Puerperium,	-	3	3	-	1	1	-	-	-	-	-	-
Senility,	27	18	45	3	1	4	4	4	8	2	1	3
Syphilis,	1	-	1	-	-	-	-	-	-	-	-	-
Unknown,	6	10	16	-	-	-	2	2	4	-	-	-
Totals,	106	92	198	24	35	59	6	7	13	36	13	49

9. — *Probable Duration of Mental Disease before Admission.*

PREVIOUS DURATION.	FIRST ADMITTED TO ANY HOSPITAL.		
	Males.	Females.	Totals.
Congenital,	15	9	24
Under 1 month,	19	10	29
From 1 to 3 months,	14	12	26
3 to 6 months,	12	6	18
6 to 12 months,	7	8	15
1 to 2 years,	15	14	29
2 to 5 years,	13	11	24
5 to 10 years,	4	7	11
10 to 20 years,	3	7	10
Over 20 years,	2	4	6
Totals,	104	88	192
Unknown,	2	4	6
Totals,	106	92	198
Average known duration (in years), .	1.77	3.8	2.76

10. — *Form of Mental Disease in Patients committed or discharged, with their Condition on Discharge, or died.*

FORM OF DISEASE.	COMMITTED.			DISCHARGED.						DIED.			TOTAL DISCHARGES AND DEATHS.		
	Males.	Females.	Totals.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			NOT IMPROVED.			NOT INSANE.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — First admitted to any hospital —															
Insane —															
Acute alcoholic insanity,	10	6	15	5	3	8	—	—	—	—	—	—	—	—	—
Acute delirium,	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
Chronic alcoholic insanity,	7	6	13	—	—	—	1	—	1	1	—	—	—	—	—
Dementia praecox,	21	16	37	—	—	—	7	4	11	2	1	3	1	2	3
Epilepsy,	—	6	6	—	—	—	—	—	—	2	—	2	—	—	—
Huntington's chorea,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Involution psychosisia,	8	7	15	—	—	—	—	—	—	1	—	1	—	—	—
Manic depressive insanity,	3	14	17	1	8	9	2	2	4	—	3	3	1	2	3
Mental deficiency,	15	11	26	—	—	—	2	1	3	—	5	5	—	—	—
Organic dementia,	6	3	8	—	—	—	—	—	—	1	1	2	—	—	—
Paranoia,	3	1	4	—	—	—	1	—	1	1	—	1	—	—	—
Paresis,	10	4	14	—	—	—	1	—	1	—	—	—	—	—	—
Senile dementia,	20	19	39	—	—	—	1	—	1	—	—	—	—	—	—
Morphine habit,	2	—	2	2	—	2	—	—	—	—	—	—	—	—	—
Total A,	106	92	198	9	11	20	15	8	23	7	4	11	—	—	—
													83	24	107
													73	68	141

B. — Other admissions: —

Insane: —

Acute alcoholic insanity,	4	1	5	2	-	2	1	-	1	-	-	-	-	-	-	-	-	-	3	-	3
Acute delirium,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chronic alcoholic insanity,	-	1	1	-	-	-	1	-	1	-	-	-	2	-	-	-	-	-	1	2	3
Dementia, secondary,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dementia præcox,	5	4	9	-	-	-	2	1	3	2	2	2	3	-	-	-	-	1	1	2	10
Epilepsy,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1
Huntington's chorea,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Involution psychosis,	2	2	4	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	1	-	1
Manic-depressive insanity,	8	9	17	3	4	7	1	3	4	-	1	1	1	-	-	-	-	2	1	3	16
Mental deficiency,	3	2	5	-	-	-	-	-	-	1	1	1	-	-	-	-	-	1	2	-	2
Organic dementia,	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1
Paranoia,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Paresis,	1	-	1	-	-	-	-	-	-	1	1	1	1	-	-	-	-	2	1	3	5
Senile dementia,	3	5	8	-	-	-	-	-	-	1	1	1	-	-	-	-	-	4	1	5	6
Morphine habit,	1	-	1	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	1	-	1
Not insane,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1
Total B,	29	27	56	5	4	9	5	4	9	6	1	7	6	3	9	-	1	12	4	16	34
Aggregate cases,	135	119	254	14	15	29	20	12	32	15	22	37	13	7	20	-	1	45	28	73	107
Aggregate persons,	134	119	253	14	15	29	20	12	32	15	22	37	13	7	20	-	1	45	28	73	107

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11. — Discharges of the Insane classified by Admissions and Results, and Deaths.

NUMBER OF ADMISSIONS.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital, .	11	11	22	15	8	23	11	21	32	11	4	15	—	—	—	37	27	64	85	71	156
Second to this hospital, .	1	2	3	3	2	5	4	—	4	2	2	4	—	1	1	7	1	8	17	8	25
Third to this hospital, .	—	—	—	1	—	1	—	1	1	—	1	1	—	—	—	1	—	1	2	2	4
Fourth to this hospital, .	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2
Fifth to this hospital, .	1	1	2	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	2	1	3
Seventh to this hospital, .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Eighth to this hospital, .	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Total cases,	14	15	29	20	12	32	15	22	37	13	7	20	—	1	1	45	28	73	107	85	192
Total persons, . . .	14	15	29	20	12	32	15	22	37	13	7	20	—	1	1	—	—	—	107	85	192
First admitted to any hospital,	9	11	20	15	8	23	9	21	30	7	4	11	—	—	—	33	24	57	73	68	141

12. — Causes of Death and Forms of Mental Disease in Persons who died.

	ACUTE ALCOHOLIC INSANITY.			ACUTE DELIRIUM.			CHRONIC ALCOHOLIC.			DEMENTIA PRÆCOX.			EPILEPSY.			HUNTINGTON'S CHOREA.			INVOLUTION PSYCHOSIS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General diseases :—																					
Carcinoma,							1														
Diabetes,																					
Erysipelas,																					
General tuberculosis,																					
Typhoid fever,																					
Senility,																					
Septicæmia,																					
Diseases of the nervous system :—																					
Epilepsy,													2		2				2		2
General paralysis of insane,																					
Huntington's chorea,																					
Diseases of the circulatory system :—																					
Anæmia,										1		1									
Cerebral embolism,																					
Cerebral hemorrhage,										1		1									
Endocarditis,										1		1									
Femoral thrombosis,																					
Fenicious anæmia,																					
Diseases of the respiratory system :—																					
Lobar pneumonia,		1	1																	1	1
Pulmonary tuberculosis,																					
Diseases of the digestive system :—																					
Intestinal obstruction,																					
Diseases of the genito-urinary system :—																					
Chronic nephritis,																					
Totals,	1	1	1	1	—	1	1	—	1	2	3	5	2	—	2	2	3	3	6	—	6

12. — Cause of Death and Form of Mental Disease in Persons who died — Concluded.

	MANIC-DEPRESSIVE.			MENTAL DEFICIENCY.			ORGANIC DEMENTIA.			PARANOIA.			PARESIS.			SENILE DEMENTIA.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General diseases:—																					
Carcinoma,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diabetes,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Erysipelas,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General tuberculosis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Typhoid fever,	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Senility,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Septicæmia,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the nervous system:—																					
Epilepsy,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General paralysis of the insane,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Huntington's chorea,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the circulatory system:—																					
Anæmia,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebral embolism,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebral hemorrhage,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Endocarditis,	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Femoral thrombosis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pernicious anæmia,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the respiratory system:—																					
Lobar pneumonia,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pulmonary tuberculosis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the digestive system:—																					
Intestinal obstruction,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the genito-urinary system:—																					
Chronic nephritis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	3	3	6	2	1	3	3	4	7	—	1	1	8	3	11	18	9	27	45	28	73

13. — *Duration of Mental Disease and its Treatment in Patients who recovered or died.*

	FIRST ADMITTED TO ANY HOSPITAL.						ALL OTHER ADMISSIONS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Recoveries: —												
Under 1 month,	7	2	9	2	1	3	1	—	1	—	—	—
From 1 to 3 months,	—	6	6	3	7	10	5	3	8	2	—	2
3 to 6 months,	1	—	1	4	1	5	7	3	10	—	—	—
6 to 12 months,	—	3	3	—	2	2	4	4	8	—	1	2
1 to 2 years,	1	—	1	—	—	—	1	1	2	1	3	4
2 to 5 years,	—	—	—	—	—	—	1	—	1	1	—	1
5 to 10 years,	—	—	—	—	—	—	—	—	—	—	—	—
10 to 20 years,	—	—	—	—	—	—	—	—	—	—	—	—
Over 20 years,	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	9	11	20	9	11	20	20	11	31	5	4	9
Unknown,	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	9	11	20	9	11	20	20	11	31	5	4	9
Average of known cases (in months),	2.1	2.8	2.5	2.5	3.0	2.6	5.1	5.8	5.1	10.8	15.0	12.6

13. — *Duration of Mental Disease and its Treatment in Patients who recovered or died* — Concluded.

	FIRST ADMITTED TO ANY HOSPITAL.						ALL OTHER ADMISSIONS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
B. — Died: —												
Congenital,	2	1	3	—	—	—	2	1	3	1	—	—
Under 1 month,	1	1	2	12	5	17	1	1	2	—	—	—
From 1 to 3 months,	4	2	6	4	4	8	1	—	1	1	1	2
3 to 6 months,	1	1	2	2	2	4	4	2	6	1	—	1
6 to 12 months,	3	3	6	6	1	7	5	1	6	1	—	2
1 to 2 years,	3	3	6	4	5	9	2	3	5	1	—	2
2 to 5 years,	6	7	13	3	4	7	5	6	11	2	1	3
5 to 10 years,	5	3	8	2	3	5	8	8	16	3	—	5
10 to 20 years,	3	1	4	—	—	—	3	—	3	2	—	—
Over 20 years,	2	1	3	—	—	—	2	1	3	1	—	—
Totals,	33	23	56	33	24	57	33	23	56	11	4	15
Unknown,	—	1	1	—	—	—	—	1	1	1	—	—
Totals,	33	24	57	33	24	57	33	24	57	12	4	16
Average of known cases (in months),	51.9	35.4	45.1	12.84	19.91	15.82	61.66	52.41	57.8	115.6	120.7	117.0
										40.9	79.0	51.78

FIFTY-SECOND ANNUAL REPORT
OF
THE TRUSTEES
OF THE
NORTHAMPTON STATE HOSPITAL,
FOR THE
YEAR ENDING NOVEMBER 30, 1907.



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1908.

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STATE HOUSE BOSTON
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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

HENRY L. WILLIAMS, <i>Secretary</i> ,	NORTHAMPTON.
CHARLES S. SHATTUCK,	HATFIELD.
ALVAN BARRUS, <i>Chairman</i> ,	GOSHEN.
SARAH A. WOODWORTH,	CHICOPEE.
CAROLINE A. YALE,	NORTHAMPTON.
F. W. CHAPIN, M.D.,	SPRINGFIELD.
WILLIAM D. MacINNES,	PITTSFIELD.

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,	<i>Superintendent.</i>
CHARLES H. DEAN, M.D.,	<i>Assistant Physician.</i>
HARRIET M. WILEY, M.D.,	<i>Assistant Physician.</i>
GRACE E. B. RICE, M.D.,	<i>Assistant Physician.</i>
EDWARD W. WHITNEY, M.D.,	<i>Assistant Physician.</i>
C. STANLEY RAYMOND, M.D.,	<i>Assistant Physician.</i>
LEWIS F. BABBITT,	<i>Clerk.</i>
SUSAN E. WARREN,	<i>Matron.</i>
JOHN MERCIER,	<i>Farmer.</i>
JOSEPH G. COOK,	<i>Farmer.</i>
WAVERLEY D. PACKARD,	<i>Engineer.</i>

TREASURER.

LEWIS F. BABBITT,	NORTHAMPTON.
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Office at the Hospital.

Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital respectfully present their fifty-second annual report.

Stated meetings of the Board have been held each month at the hospital and many visits by individual members of the Board have been made, besides frequent conferences of committees on special matters.

Our financial report shows that the weekly per capita cost of caring for our patients was \$3.76, based on the expenditures of the twelve months ending November 30. This is lower than for the corresponding months of last year. The high prices of supplies of all kinds and the increase in the amount paid out for salaries, wages and labor, made necessary by the putting of our workmen, mechanics and laborers on a forty-eight hour weekly basis, have tended to increase the cost of caring for the insane, and we expect the weekly rate for the next year will be larger.

The Legislature of 1907 made the following special appropriations for this hospital: for plumbing fixtures and materials, \$2,000; for electric lights along the driveways, \$1,200; for the purchase of cows, \$2,000; for machinery for the bakery, \$1,000; for lumber for an ice house, \$700; and for a greenhouse, \$2,100, in addition to the appropriation for this purpose made last year. We refer to the superintendent's report for a statement of the progress of the matters for which these appropriations were made.

Legislation, enacted last year and this, has caused a considerable addition to the number of our employees, so that our accommodations for boarding them are taxed to the limit. If it were not that many of them live away from the hospital we could not accommodate them; as it is now our dining rooms are crowded. Any further increase in their number will call for an additional building, to be used as a dormitory.

Our nursing force is not at present confined to an eight-hour schedule, though deserving it more than any other class of employees. We have a ward set apart in each infirmary building — men's and women's — which is used as a nurses' home. If at any time the nurses are placed on a shorter length of daily service we shall have to ask for special appropriations to build nurses' homes, and in any event we think this will be desirable before long.

For more specific details of the management of the institution and of its financial affairs we refer to the accompanying reports of the superintendent and the treasurer.

HENRY L. WILLIAMS.
CHARLES S. SHATTUCK.
ALVAN BARRUS.
SARAH A. WOODWORTH.
CAROLINE A. YALE.
F. W. CHAPIN, M.D.
WILLIAM D. MACINNES.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

The following report of the affairs of the hospital for the fiscal year ending Nov. 30, 1907, is respectfully submitted.

The report concerning the movement of population and the statistical tables concerning patients, annexed to this report, are for the year ending September 30.

On Oct. 1, 1906, there were 771 patients in the hospital or boarded out under our care. During the year 306 patients were admitted and 351 were dismissed. These figures do not include 33 who were out on visit at the beginning of the year and were nominally admitted and discharged. The number remaining September 30 was 726, — 361 male, 365 female. The whole number under treatment during the year was 1,110; the daily average number was 777, — the largest of any year except 1905.

The number of admissions was larger than last year, and it is to be expected that our daily average for the coming year will be larger than for this year, unless it is kept low by transfers to other institutions. Of the admissions, 293 were by direct order of the court, 3 were voluntary, 6 were by transfer and 1 was returned from elopement. None of the voluntary cases were considered insane. Forty-one per cent. were born in Massachusetts; 42 per cent. were foreign born. The mean age of all cases admitted was forty-four years.

Of those who had never before been committed to a hospital for the insane, — 242 in number, — 177 had an incurable form of insanity. Twenty-five were over seventy years of age. The duration of insanity before their admission to the hospital averaged two and two-tenths years, being more than one year in nearly 100 cases. The principal causes of insanity in these cases were cerebral hemorrhage in 16, congenital deficiency in

36, senility in 46, intemperance in 66 and hereditary influences in 39. In considering the prospects of recovery these facts must be taken into account.

One hundred and forty-four persons were discharged: as recovered, 35; as capable of self-support, 29; as improved, 49; as not improved, 28; as not insane, 3. One hundred and eleven were transferred to the colonies at Grafton and Gardner. Thirty-six were on visit at the end of the year.

Eighty-five patients died, — 7.65 per cent. of all cases under treatment. Twenty-five of these died from general causes due to old age, 13 of cerebral hemorrhage, 10 of general paresis and 6 of pulmonary tuberculosis.

Hospital records in this State show that the percentage of recoveries is gradually becoming smaller, and in my opinion this must be expected, not because treatment is less skillful or scientific than formerly, nor because insanity is less amenable to treatment. I believe the superintendent of to-day is more conservative in his classification of results. Some of the patients who are nearly well are allowed to go home, with the hope that recovery will be hastened under the more favorable conditions of home influences and surroundings, and for such as do recover the hospital is not credited. A considerable number of mildly afflicted persons, able to get along comfortably at home and to help support themselves, who may be considered well by their friends, and who, indeed, may be about as well as ever, are not classified on discharge as recovered because, from a medical point of view, they are not in a normal mental condition. Then our records show that a larger number of cases unfavorable for recovery are committed than formerly, principally of organic brain disease and congenital and senile cases. Many of these latter were cared for at home or in almshouses. Those who were physically well were allowed to roam the streets of country towns and villages; being well known to their neighbors they were considered harmless and were tolerated in the neighborhood, especially as the towns had to pay for their support if they were sent to the State hospitals, but now that the State has assumed their support they are sent to the hospitals in increasing numbers. We also receive many aged and infirm, mildly insane or demented, who might be cared for at home if

some caretaker could be there to look out for them. Conditions have changed in recent years. Whereas it used to be easy to get piece work that could be taken home, so that the caretaker could be earning something and looking after the old person at the same time, opportunities to do so are now less frequent, and the one who would be caretaker must go from home to earn his wages.

During the past year we have had among the admissions 29 congenital cases and 36 patients who were seventy years of age or older. As shown in former reports, the number of patients admitted over seventy years of age has increased from a percentage of less than 2 per year during the first fifteen years of the operations of the hospital to a percentage of 12 at present; from a yearly average of 2 persons per year to 37 last year and 36 this year. The admission of so many of these cases alone operates to reduce the percentage of recoveries very considerably.

In the medical treatment of the insane we rely upon general measures to put the patient in good physical health. Elimination of the causes that induced the mental disorder, in so far as this is possible, and removal of the patient from the associations that tended to perpetuate it, with improvement of bodily nutrition, and mental diversion by means of amusement and occupation, are the chief factors in restoring normal mentality. We continue to make extensive use of hydrotherapeutics, the prolonged bath and the wet pack. For ten years we have made no use whatever of restraint, either mechanical or the so-called chemical restraint, and have no restraining apparatus in the hospital; and we make no use whatever of hypnotics.

We encourage amusements of all kinds. A list of the entertainments will be found later in this report. Patients have plenty of occupation in the routine ward work, housekeeping, cooking, ironing and making and mending of clothing of a large institution. Every year there is, necessarily, in buildings so old as these, a great amount of repair work. This is done with our own force of mechanics, carpenters and painters, in all of which work patients have given much assistance. Our tinware and mattresses are made by patients, and much of the repair of furniture, especially the cane-seating of chairs, is done by

them. Best of all for patients is the farm work and the digging of trenches, grading and caring for lawns.

Women patients cannot find as much to do on the grounds and out of doors, yet many were engaged in picking berries and pease in the summer. For some of the women who have nothing else to occupy them we have begun basketry, and hope it will prove to be an excellent means of diversion.

We have had 10 patients boarded out during the year. One of these had to be brought back to this hospital because of illness in the family where she was boarding, and 3 were transferred from our care to the care of the State Board of Insanity. We now have 7 patients boarded out, — 4 at the expense of the hospital, 2 supported by friends and 1 self-supporting.

The training school has had a successful year. Nine nurses were graduated: Misses Hannah Bollivar, Lillian Brown, Elizabeth Graham, Elida Hervieux, Eulalie J. Lamb, Katherine Reilly, Alice M. Robinson, Emily Stewart and Margaret F. Smith. On October 15 graduating exercises were held, at which Rev. Mr. Woods of Hatfield delivered the address and several members of the graduating class took part in the literary exercises. The presentation of diplomas was followed by refreshments and dancing.

Besides the regular class work, — sixty recitations and fifty-five lectures and demonstrations, — there were courses in cooking by Miss Baer of the Home Culture Clubs and in gymnasium work by Miss Eisenbrey of Smith College.

The training school proves to be of increasing benefit to the hospital by reason of attracting a better class of applicants and fitting them better to care for the patients. Fourteen of the graduates are now in the service of the hospital.

Miss Root, who has been an efficient superintendent of nurses, one of our own graduates, resigned in November to be married and the position has not yet been filled.

The general prosperity of the country during the past few years has enabled men to get work easily at good wages, consequently we have had difficulty in getting and keeping a sufficient number of men of satisfactory character for attendants. At times during the past summer we were decidedly embar-

rassed for want of enough men to care for the patients. The work is not attractive and men do not care to take a long course in training, as there is but little demand for trained male nurses, and the wages we can offer are not large. It is not likely that we can ever keep a sufficient number of good men till we can make the positions attractive by shorter hours and better wages. If to these we can add homelike accommodations for married couples we shall go a long way toward remedying the present situation.

It has been a busy year on the farm and many of the crops compare favorably in quantity with those of other years, but for some of them weather conditions were unfavorable. There was a large hay crop, a small one of potatoes and the yield of apples has been small. The orchards have suffered severely from San José scale and many trees have been destroyed. To replenish them we have started a new orchard near Sunset Hill, where several hundred trees have been planted.

We had an epidemic of cholera which caused the death of many hogs, nevertheless the yield of pork for the year was large, — 38,500 pounds.

Last year's examination of our herd of cows showed the presence of tuberculosis to a considerable degree. All infected animals were separated from the sound ones. Many of the former showed no physical signs of the disease and when slaughtered were found to have but a few small glands infected. Twenty-seven new cows were bought, after they had been tested and had not reacted. Yet when the annual test of the herd was made this fall several of the new ones and one of the old herd reacted. That only one of the old herd reacted is encouraging, as it seems to show that the old herd is practically immune. We have inoculated 22 calves and at the time of the test but one of these reacted, and the reaction in this case was doubtful. Consequently we feel that we have a nucleus for a herd that will be free from tuberculosis.

The total valuation of the farm products is high, as may be seen by reference to the table annexed, but this is partly accounted for by the market valuation of certain crops, which is higher than in previous years.

A new silo of a capacity of 175 tons has been erected.

As in former years, new pieces of land have been cleared and fitted for cultivation.

There have been frequent assemblies of patients, according to the custom of many years, for divine worship and for entertainments. Every Lord's Day afternoon there have been services conducted by one of the clergymen of Northampton or some neighboring town. The following list shows the varied character of the entertainments, which are always well attended: December 1, songs and readings, Mr. Eccles; December 17, card party; December 25, Christmas tree; January 5, drama, "Hickory Farm," Mr. Paine and Red Men's Club; February 4, musicale, nurses and attendants; February 16, musicale, Mr. Harrell; February 23, readings and piano recital, Mr. Paine and Miss Butler; March 2, readings, Mr. Truman; March 9, musicale, Peterson family; March 12, moving pictures, Mr. Robinson; March 19, musicale, the Marshalls; April 5, musicale, Misses Woods and Miss Wells; April 15, ventriloquism, Mr. Bryant; April 17, minstrels, men patients and attendants; April 24, violin and songs, Mr. Taggart; April 29, crayon artist, Mr. Little; May 6, readings, Miss Elliott; May 15, readings, Miss Stallings; May 21, piano and song recital, Miss Abell, Miss Fitts and Professor Mills; September 25, musicale, Mr. Bill and Mr. Bradley; October 9, stereopticon lecture, Mr. Fishback; October 12, impersonations, Mr. Blood; October 15, graduating exercises of training school for nurses; October 31, Hallowe'en party; November 7, violin and songs, Mr. Taggart; November 12, readings and songs, Mr. and Mrs. Mills; November 25, readings and songs, Mr. Brigham. In addition to the above there have been fifty-six readings, three concerts and twenty-six dances.

The various matters for which special appropriations were made in the spring have been attended to and are well under way. As reported above, the appropriation for cows has been expended. A new dough mixer and other material for the bakery have been installed and prove to be very satisfactory in operation. Electric lights along the driveway and footpath have been installed, with the exception of a short connecting

length, and will soon be in operation. The greenhouse will be ready for use in two or three weeks. Several hundred feet of 10-inch water pipe have been laid, to give a better water supply for fire-protection purposes, and several hydrants have been set up. Enough pipe has been purchased and delivered to complete the circuit of the hospital and will be laid as soon as the ground is thawed in the spring.

It is my great pleasure to record a beautiful gift to the hospital by Mrs. L. D. James, in memory of Mr. James, who for twenty-four years, from 1879 to 1903, as trustee of the hospital, was active in all that pertained to the management of the hospital, and always exhibited the deepest interest in the welfare of its patients.

The memorial is a recreation pavilion for the men. It is beautifully situated in the grove at the north and east of the hospital, protected from the winds of winter and shaded from the summer heat, near enough to be easily accessible and to be lighted and heated from our main plant. In the summer, croquet grounds will be laid out near by. Inside, at the right of the entrance, is a smoking and card room with fireplace, at the left is a billiard room and directly in front is a bowling alley. In addition there are toilet rooms and a room for the caretaker. This building will be a gathering place for patients throughout the day and evening and for employees while off duty. It will be greatly appreciated by all who may use it.

Mr. James was pleased with the pavilion for the women, erected several years ago, and had spoken of the need of one for the men. It is very fitting that a memorial in his honor should have taken this form.

The hospital has many friends, including former patients and their relatives, who frequently show their interest by gifts of various kinds. We have thus been generously remembered during the year by the following persons, who have our thanks for their contributions and not less for their sympathetic interest: presents for the Christmas tree from Mrs. W. T. Parker, Mrs. J. L. Egbert and Mr. T. L. Beardsworth of Springfield; magazines, papers and books from Mr. C. B. Kingsley of Northampton, Miss A. K. Gorham of Northampton, Messrs. Bridg-

man & Lyman of Northampton, Mrs. L. D. James of Williamsburg, Miss Mattie Y. Fobes of Springfield and Mr. G. F. Rider of Springfield; the "Christian Leader," "Dumb Animals" and "Berkshire County Eagle" have been received regularly.

The successful management of a hospital depends in great measure upon the loyalty and faithful service of officers and employees. It is my pleasure to accord acknowledgment of the continued faithfulness to duty of my associates.

JOHN A. HOUSTON,
Superintendent.

DIETARY OF THE NORTHAMPTON STATE HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about three hundred persons, and the second to those of somewhat over three hundred. In addition to these, about 190 quarts of egg and milk are taken through the wards between meals and at bed time, and distributed to the old, the feeble and the convalescent classes.]

BILL OF FARE No. 1.

BREAKFAST.

Monday.—Tea, oatmeal, coffee, broiled beefsteak or eggs, potatoes, warm rolls ("biscuit"), bread and butter.

Tuesday.—Tea, coffee, oatmeal, fried tripe,¹ potatoes, warm rolls, bread and butter.

Wednesday.—Tea, coffee, oatmeal, broiled beefsteak or eggs, potatoes and warm brown (rye and Indian) bread.

Thursday.—Tea, coffee, oatmeal, broiled beefsteak, potatoes, warm rolls, bread and butter.

Friday.—Tea, coffee, oatmeal, fried tripe,¹ potatoes, warm rolls, bread and butter.

Saturday.—Tea, coffee, oatmeal, either fried fish-balls or liver, meat hash, hot corn cake, bread and butter.

Sunday.—Tea, coffee, oatmeal, eggs, potatoes, warm rolls, bread and butter and fried Indian corn pudding.

DINNER.

Monday.—Roast beef, potatoes and one other vegetable,² bread and butter, boiled rice with syrup or sugar.

Tuesday.—Vegetable soup, roast or stewed veal,³ potatoes and one other vegetable,² bread and butter, and baked Indian pudding.

Wednesday.—Either roasted or boiled mutton, potatoes and one other vegetable,² bread and butter, and berry or apple pudding, with sauce.⁴

Thursday.—Vegetable soup, corned beef, potatoes and one other vegetable,² bread and butter, and boiled suet pudding, with syrup.

¹ Tripe is replaced in winter by sausages, and in spring by fried ham and eggs, except in the season of shad, when that fish is given once each week instead of ham and eggs, and once instead of beefsteak.

² At least three vegetables during the summer.

³ Substituted in winter by fresh pork ribs, roasted.

⁴ In spring, maple syrup is used as sauce for puddings.

Friday. — Either fried or baked fresh fish,¹ or stewed or roasted veal, potatoes and one other vegetable,² bread and butter, and tapioca pudding or raisin pudding of either rice, bread or cracker.

Saturday. — Baked beans, corned beef, potatoes and one other vegetable,² pickles, bread and butter, and baked bread pudding.

Sunday. — Stewed mutton, sweet potatoes, warmed baked beans, pickles, bread and butter and pies, the kind varying with the season.

SUPPER.

Monday. — Tea and bread, warm corn cake and butter, hard ginger-bread and a relish.³

Tuesday. — Tea, white bread, graham bread and butter, soft ginger-bread and a relish in the warm season, substituted by buckwheat cakes in the cold season.

Wednesday. — Tea, bread and butter, pie (the kind varying with the season), and ginger snaps and a relish.

Thursday. — Tea, bread and butter, cookies and cheese.

Friday. — Tea, bread and butter, cake (the kind varying) and a relish.

Saturday. — Tea, bread and butter, doughnuts and cheese.

Sunday. — Tea, bread and butter, cookies and ginger snaps and blanc-mange or corn starch.

Extra. — In the winter and spring months hulled corn at supper. once in two weeks, on Saturdays.

BILL OF FARE No. 2.

BREAKFAST.

Monday. — Coffee, oatmeal, boiled eggs, potatoes, and bread and butter.

Tuesday. — Coffee, oatmeal, cold roast beef, potatoes, and bread and butter.

Wednesday. — Coffee, oatmeal, meat stew or boiled eggs, potatoes, and warm rye and Indian corn brown bread and butter.

Thursday. — Coffee, oatmeal, pickled codfish cooked in milk, potatoes, and bread and butter.

Friday. — Coffee, oatmeal, cold corned beef or meat stew, potatoes, and bread and butter.

Saturday. — Coffee, oatmeal, hash, either of meat or fish, and bread and butter.

Sunday. — Coffee, oatmeal, boiled eggs, potatoes, and bread and butter.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable,² boiled hominy with molasses, and bread.

¹ Substituted by stewed oysters in winter and spring, with some kind of roasted meat for those who prefer it.

² At least three vegetables during the summer.

³ This term, used for the want of a better, includes dried beef, berries, baked apples, apple sauce and canned fruits, all of which are supplied, and each according to the season.

Tuesday. — Vegetable soup, potatoes and one other vegetable,¹ baked Indian pudding² and bread.

Wednesday. — Boiled codfish with drawn-butter sauce, potatoes and one other vegetable,¹ boiled hasty pudding with molasses, and bread.

Thursday. — Vegetable soup, potatoes, cabbage or some other vegetable,¹ boiled rice with molasses,³ and bread.

Friday. — Boiled fresh fish with drawn-butter sauce, potatoes, beets or some other vegetable,¹ boiled hasty pudding with molasses, and bread.

Saturday. — Hot baked beans, potatoes, baked Indian or bread pudding, pickles and bread.

Sunday. — Cold corned beef, potatoes, pies (the kind varying with the season) and bread.

SUPPER.

Monday. — Tea, bread and butter, and hard gingerbread.

Tuesday. — Tea, bread and butter, and soft gingerbread.

Wednesday. — Tea, bread and butter, cake or ginger snaps, and some kind of relish.

Thursday. — Tea, bread and butter, and cookies.

Friday. — Tea, bread and butter, and soft gingerbread.

Saturday. — Tea, bread and butter, cake or ginger snaps, sauce.

Sunday. — Tea, bread and butter, and cookies.

EXTRAS.

In the winter and spring months, hulled corn at supper on Saturdays.

In August and September these tables are furnished at supper with either berries, tomatoes or baked apples, as many as five times a week.

In eight halls, sauce of either fresh or dried apples is furnished four times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day and on Christmas, with vegetables, celery, cranberry sauce, pudding, pie and cider.

From four to five bushels of green sweet corn in the ear is consumed in its season, daily, with the exception of Sunday.

Strawberries, tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring, cowslips and dandelions are largely used as greens, and horse-radish as a condiment.

During eight months of the year, apples are distributed, daily, among the patients.

Beef tea, chicken broth, mutton broth, scalded milk, arrow-root gruel, oatmeal gruel, milk punch, cracked wheat, oatmeal porridge, dry toast, milk toast, toast with dropped egg, and boiled eggs, for invalids and all who are not able to take the regular fare.

¹ At least three vegetables in the summer.

² All baked puddings for the whole household are made with milk.

³ Maple syrup is furnished, in place of molasses, three or four times in the spring.

ARTICLES MADE IN SEWING ROOM.

Aprons,	448	Night gowns,	374
Bandages,	14	Night caps,	25
Bath robes,	9	Pillow covers,	1,051
Bureau covers,	376	Pillow ticks,	193
Cape,	1	Rugs,	109
Caps,	349	Sheets,	908
Chemises,	184	Shirts,	755
Cloth bags,	40	Shirt waists,	11
Corset covers,	4	Skirts,	123
Curtains,	206	Tablecloths,	147
Curtains, lace draperies,	10	Towels,	3,164
Drawers,	15	Tray cloths,	112
Dresses,	222	Table pads,	4
Dressing sack,	1	Stand covers,	125
Mattress ticks,	176	Articles repaired,	28,449
Milk cloths,	84		

UPHOLSTERY DONE IN THE YEAR.

Hair mattresses made, new material,	27
Hair mattresses made, new ticks,	84
Hair mattresses made, old material,	58
Hair pillows made, new material,	6
Hair pillows made, new ticks,	48
Hair pillows made, old material,	22
Feather pillows made, new ticks,	3

OFFICERS AND EMPLOYEES.

[Time employed, Nov. 30, 1907.]

NAMES.	Years.	Months.	Days.
John A. Houston, M.D., superintendent,	18	2	7
Harriet M. Wiley, M.D., assistant physician,	7	9	29
Charles H. Dean, M.D., assistant physician,	7	6	21
Grace E. B. Rice, M.D., assistant physician,	4	—	27
Edward W. Whitney, M.D., assistant physician,	2	2	11
C. Stanley Raymond, M.D., assistant physician,	1	5	—
Lewis F. Babbitt, treasurer,	16	1	18
Burton G. Fiske, superintendent of nurses,	4	1	15
Alice E. Bedell, assistant superintendent of nurses,	5	3	20
Susan E. Warren, matron,	13	8	8
Martha G. Jones, secretary to superintendent,	14	4	11
Helen M. Bailey, stenographer,	1	5	26
John Mercier, farmer,	40	4	—
Joseph G. Cook, farmer,	1	4	5
Lucy A. Gilbert, clothes marker,	39	10	17
George N. Drury, steward,	10	2	—
William J. Moore, assistant steward,	11	1	3
Herbert W. Root, assistant steward,	8	6	22
Jay E. Cook, baker,	8	9	—
Leon E. Bruce, assistant baker,	2	5	4
George W. Thorniley, florist,	14	7	11
Waverly D. Packard, engineer,	—	5	13
Leroy Kellogg, assistant engineer,	3	7	6
Thomas Butterworth, assistant engineer,	—	—	17
William C. Day, fireman,	16	7	29
Lester Ring, fireman,	—	1	7
Gottlieb Beer, fireman,	—	—	12
Earl Kron, fireman,	—	5	8
Helfrid N. Fiske, seamstress,	1	10	19
Jennie M. Hope, assistant seamstress,	—	10	17
Clare Sweeney, assistant seamstress,	—	10	9
Charles E. Williams, laundryman,	10	2	29
Margaret Sweeney, laundress,	2	9	27
Ellen Moore, laundress,	1	5	2
Margaret Tobin, laundress,	—	5	9
Mary Shea, laundress,	—	6	3
Ada C. Fiskett, usher,	2	1	14
Mabel Dean, cook,	—	6	7
Harry W. Love, watchman,	3	11	22
Fred D. Aldrich, nurse,	9	4	8
Alexander Beaton, nurse,	2	4	14
George Begor, nurse,	—	7	2
William Brewer, nurse,	—	3	2
Scearl Brewster, nurse,	—	1	25
John W. Bunnell, nurse,	—	1	9

NAMES.	Years.	Months.	Days.
Hector Chagnon, nurse,	-	-	14
Fred C. Colthurst, nurse,	1	2	26
Charles O. Damren, nurse,	-	-	18
William Dillon, nurse,	-	-	18
L. L. Edwards, nurse,	1	6	22
A. V. Elmer, nurse,	1	2	11
Thomas C. Fickett, nurse,	3	9	25
Elmer C. Green, nurse,	-	1	1
John E. Harkness, nurse,	-	5	15
George Hood, nurse,	-	1	16
Noah Haskell, nurse,	-	6	-
Robert Jackson, nurse,	1	5	19
Arthur Joslyn, nurse,	1	1	27
Clayton Kellogg, nurse,	-	2	25
John J. Lively, nurse,	-	1	26
James Moore, nurse,	-	1	27
Frank O'Neil, nurse,	-	1	16
Charles Pease, nurse,	1	6	6
Robert A. Pike, nurse,	7	5	-
Fred B. Potter, nurse,	-	-	7
Amos Purdy, nurse,	-	1	23
Charles Rathburn, nurse,	3	-	-
George Smith, nurse,	-	5	21
Henry Whiting, nurse,	-	1	11
Frank Wilson, nurse,	-	2	3
Corinnie Blodgett, nurse,	2	5	25
Hannah Bollivar, nurse,	2	2	-
Marie Bollivar, nurse,	2	2	-
Lillian Brown, nurse,	2	9	5
Sadie Brown, nurse,	2	10	5
Daisy R. Colton, nurse,	4	7	24
Louise Coulter, nurse,	1	4	27
Lois Crandall, nurse,	-	10	28
Addie Daggett, nurse,	-	1	16
Lulu Drew, nurse,	-	2	12
Annie Edwards, nurse,	1	6	21
Elizabeth Graham, nurse,	3	-	10
Sophie Heizmann, nurse,	1	8	15
Elida Hervieux, nurse,	2	8	7
Leona Jacques, nurse,	-	10	28
Elizabeth James, nurse,	1	5	11
Mabel James, nurse,	1	6	22
Clara Ladue, nurse,	2	10	4
Effie Mahy, nurse,	3	4	24
Josephine Mason, nurse,	-	4	3
Belle McLaurin, nurse,	5	6	3
Ethel Montena, nurse,	-	10	2
Ida Nelson, nurse,	-	1	2
Lillian Purdy, nurse,	-	7	23
Madelena Rice, nurse,	3	1	13
Kate Riley, nurse,	4	1	23
Alice Robinson, nurse,	2	1	14
Cora Roy, nurse,	1	1	26
Lulu Simmons, nurse,	-	2	11
Pearl Simmons, nurse,	1	1	16

NAMES.	Years.	Months.	Days.
Annie Smith, nurse,	-	11	-
Blanche Smith, nurse,	-	2	-
Margaret Smith, nurse,	2	10	-
Josephine Staudinger, nurse,	-	1	20
Emily Stewart, nurse,	3	-	2
May Stiles, nurse,	-	1	16
Mary Sullivan, nurse,	2	2	2
Mattie Taylor, nurse,	1	2	19
Niola Watson, nurse,	1	5	19
Phœbe Wheeler, nurse,	1	10	20
Annie Wilson, nurse,	1	3	24
Gertrude Wilson, nurse,	1	3	24
Amy Yeo, nurse,	1	1	16
Harriet Briggs, rear housework,	6	3	22
Catherine Hall, center housework,	-	5	8
Jennie Pedersen, housework,	1	2	27
Rhoda French, dining room,	-	2	12
Lillian Ellsworth, center dining room,	2	11	11
Margaret Powers, center dining room,	-	1	19
Harry B. Ballard, kitchen,	1	6	27
Lizzie Roy, kitchen,	1	1	26
Ellen McGrath, kitchen,	-	7	-
Julia Dumar, kitchen,	-	3	6
Victoria Filipek, kitchen,	1	3	27
Agnes Gnoctic, kitchen,	1	4	-
Maggie Gnoctic, kitchen,	-	3	20
Sifroi Belleville, carpenter,	36	5	29
Albert DeGrandpre, carpenter,	2	10	-
Walter M. Tower, carpenter,	28	10	-
Albert C. Burnett, painter,	1	6	28
Alfred Parenteau, painter,	40	3	17
Thomas P. Clair, plumber,	9	7	-
Martin Sornborger, plumber,	4	-	6
Roscoe Tobin, plumber,	5	-	28
John Cahill, mechanic,	-	1	-
David Mercier, coachman,	30	9	13
Alex G. Wylie, gardener,	2	11	27
H. Ohrstrom, gardener,	1	5	25
Walter Streeter, herdsman,	4	3	1
Cornelius Barry, farmer,	-	8	-
Xavier Dion, farmer,	14	5	16
Thomas Drozdial, farmer,	3	-	-
Henry F. Egleston, farmer,	5	5	27
Henry Fuller, farmer,	6	9	2
Frank Keyes, farmer,	1	11	25
Nicholas Krajnyak, farmer,	2	7	11
Philip Kron, farmer,	-	5	-
E. S. Linscott, farmer,	1	3	1
Henry McCoy, farmer,	-	8	10
B. McNamara, farmer,	9	7	8
Fred Noyes, farmer,	2	2	9
James Ruddy, farmer,	-	1	26
F. H. Sanborn,	-	6	22
Joseph Young, farmer,	2	8	-
William Zaskey, farmer,	-	5	19

LIST OF PERSONS REGULARLY EMPLOYED AT THE NORTHAMPTON STATE HOSPITAL.

Superintendent and physician (per year),	\$3,000 00
Assistant physician (per year),	1,200 00
Assistant physician (per year),	1,000 00
Assistant physician (per year),	900 00
Assistant physician (per year),	900 00
Assistant physician (per year),	700 00
Treasurer and clerk (per year),	1,800 00
Engineer, with house rent (per year),	1,000 00
Farmer, with house rent (per year),	1,000 00
Farmer, with house rent (per year),	780 00
Florist, without board (per year),	700 00
Matron (per month),	40 00
Superintendent of nurses (per month),	45 00
Assistant superintendent of nurses (per month),	37 00
Secretary to superintendent (per month),	40 00
Stenographer (per month),	30 00
Seamstress (per month),	25 00
Assistant seamstress (per month),	20 00
Assistant seamstress (per month),	18 00
Laundryman (per month),	50 00
Laundresses (4) (per month),	\$18 00 to 22 00
Baker (per month),	50 00
Assistant baker (per month),	40 00
Steward, with partial board (per month),	60 00
Assistant steward (per month),	50 00
Assistant steward (per month),	40 00
Nurses (men, 31) (per month),	\$25 00 to 37 00
Nurses (women, 43) (per month),	16 00 to 30 00
Usher (per month),	18 00
Housemaids (3) (per month),	18 00
Waitresses (3) (per month),	\$16 00 to 18 00

Cooks (2) (per month),	\$22 00
Kitchen girls (5) (per month),	\$14 00 to 18 00
Clothes marker (per month),	25 00
Painter (per month),	60 00
Painter (per month),	50 00
Assistant engineers (2) (per month),	\$40 00 to 60 00
Firemen (4) (per month),	30 00 to 35 00
Coachman (per month),	40 00
Farm laborers (16) (per month),	\$25 00 to 35 00
Herdsmen (per month),	35 00
Gardeners (2) (per month),	\$50 00 to 55 00
Watchman (per month),	37 00
Kitchen helper (per month),	28 00
Carpenter (per month),	60 00
Carpenter (per day),	2 75
Carpenter (per day),	2 00
Plumber (per day),	2 25
Plumber (per year),	1,000 00
Plumber (per month),	40 00
Mechanic (per day),	1 75

FARM PRODUCTS.

Apples, 425 barrels,	\$1,275 00
Asparagus, 25 bushels,	106 25
Beans, Lima, improved, 90 bushels,	135 00
Beans, shelled, 55 bushels,	68 75
Beans, string, 163 bushels,	163 00
Beef, 38,911 pounds,	2,654 02
Beet greens, 23 bushels,	8 05
Beets, table, 311 bushels,	155 50
Broom corn, 1,500 pounds,	90 00
Broom corn seed, 1,000 pounds,	50 00
Cabbage, 11,040 heads,	552 00
Carrots, 406 bushels,	243 60
Cauliflower, 490 heads,	49 00
Celery, 400 dozen bunches,	340 00
Cherries, 32 quarts,	4 00
Chicken, broilers, 570 pounds,	142 50
Chicken, roast, 930 pounds,	204 60
Cider, 1,139 gallons,	113 90
Citron, 2,000 pounds,	60 00
Corn, fodder, 50 tons,	250 00
Corn, green, 326 bushels,	244 50
Corn, shelled, 250 bushels,	200 00
Cucumbers, 105 bushels,	210 00
Cucumbers, pickles, 5 bushels,	8 00
Eggs, 647 dozen,	226 45
Egg plant, 1½ barrels,	3 00
Ensilage, 600 tons,	3,000 00
Fowl, 419 pounds,	62 85
Hay, first growth, 373 tons,	6,714 00
Hay, second growth, 81 tons,	972 00
Ice, 600 tons,	1,800 00
Lettuce, 207 bushels,	155 25
Lumber, 6,404 feet,	153 69
Melons, musk, 86 crates,	150 50
Melons, water, 10,000 pounds,	150 00
Milk, 233,688 quarts,	11,684 40
Onions, 301 bushels,	255 85
Oat and pea fodder, 20 tons,	100 00
Parsley, 8 bushels,	4 00
Parsnips, 250 bushels,	187 50

Amount carried forward, \$32,947 16

<i>Amount brought forward,</i>		\$32,947 16	
Pears, 5 bushels,		8 75	
Pease, 133½ bushels,		133 50	
Peppers, 4 bushels,		3 00	
Plums, 10 baskets,		3 00	
Pork, 38,531 pounds,		3,082 48	
Posts, fence, 200,		50 00	
Poles, telephone, 24,		48 00	
Potatoes, 1,579 bushels,		1,263 20	
Pumpkins, 6,725 pounds,		201 75	
Quince, 1 bushel,		2 00	
Raspberries, 74 quarts,		7 40	
Radishes, 142 dozen bunches,		56 80	
Rhubarb, 17,825 pounds,		356 50	
Rye, 19,600 pounds,		980 00	
Rye straw, 20 tons,		260 00	
Sage, 2 bushels,		2 00	
Sorghum, 22 tons,		110 00	
Spinach, 261 bushels,		104 40	
Squash, summer, 70½ barrels,		70 50	
Squash, winter, 10½ barrels,		156 75	
Strawberries, 1,732 quarts,		138 56	
Tomatoes, 88 bushels,		66 00	
Turnips, 435 barrels,		543 75	
Veal, 1,075 pounds,		118 25	
Wood, 102 cords,		459 00	
			\$41,172 75
Sales:—			
Calves, 17,		\$138 00	
Cows, 3,		45 00	
Eggs, 32 dozen,		14 85	
Hides, 3,321 pounds,		343 86	
Pigs, 308,		979 40	
Poultry, 1,		1 28	
Sand and stones,		5 20	
Miscellaneous,		23 50	
			1,551 09
Total,			\$42,723 84
Live stock belonging to the hospital:—			
Bulls, 3,		\$300 00	
Calves, 14,		280 00	
Cows, 63,		5,015 00	
Fowls, 250,		187 50	
Heifers, 20,		720 00	
Horses, 19,		3,550 00	
Oxen, 16,		•1,400 00	
Swine, 179,		1,521 50	
Total live stock,			\$12,974 00

VALUATION.

REAL ESTATE.

Five hundred and eleven acres of land (cultivated, 233 ; wood-land, 93 ; pasturage, 185),	\$56,900 00
Hospital building,	600,000 00
Farmhouse,	1,500 00
Brick house,	1,700 00
Six dwellings,	5,000 00
Storehouse, shops and cold storage,	30,000 00
Two barns,	5,000 00
Cow stable,	13,000 00
Horse stable,	6,000 00
Piggery,	3,000 00
Lumber shed,	850 00
Cart shed,	400 00
Pump house,	400 00
Two ice houses,	300 00
Total real estate,	<u>\$724,050 00</u>

PERSONAL ESTATE.

Inventory of stock and supplies on hand Nov. 30, 1907 : —

Live stock on farm,	\$12,974 00
Produce of farm on hand,	16,985 89
Carriages and agricultural implements,	5,965 00
Machinery and mechanical fixtures,	21,750 00
Beds and bedding in inmates' department,	16,000 00
Other furniture in inmates' department,	10,800 00
Personal property of State in superintendent's department,	10,000 00
Ready-made clothing,	2,218 58
Dry goods,	1,530 65
Provisions and groceries,	11,463 74
Drugs and medicines,	600 00
Fuel,	4,970 64
Library,	1,250 00
Tobacco,	122 50
Other supplies, undistributed,	<u>3,206 13</u>
Total personal estate,	\$119,837 13

TREASURER'S REPORT.

To the Trustees of the Northampton State Hospital.

I herewith submit a report of the finances of the Northampton State Hospital from Dec. 1, 1906, to Nov. 30, 1907.

RECEIPTS.

To support of patients, viz.:—

From soldiers' relief,	\$155 52	
From individuals,	30,405 88	
	<hr/>	\$30,561 40

Reimbursements, viz.:—

Received at institution,	\$8,675 11	
Received by State Board of Insanity,	3,184 68	
	<hr/>	11,859 79

Interest on bank deposit,	\$94 11	
Wages and freight refunded and insurance dividend,	37 56	
	<hr/>	131 67

Sales:—

Food,	\$147 05	
Clothing,	219 48	
Furnishings,	4 38	
Repairs and improvements,	269 40	
Farm, stable and grounds,	1,551 09	
Miscellaneous,	731 83	
	<hr/>	2,923 23
		<hr/>
		\$45,476 09

Received from State Treasurer, viz.:—

For current expenses,	\$151,815 65	
For advance,	1,000 00	
For special appropriations,	11,775 65	
	<hr/>	164,591 30

Total receipts, \$210,067 39

PAYMENTS.

Maintenance.

Salaries, wages and labor : —

Medical service,	\$7,241 55
Ward service (male, \$10,223.04 ; female, \$9,882),	20,105 04
General administration,	16,269 94
Repairs and improvements,	6,099 14
Farm, stable and grounds,	9,720 42

\$59,436 09

Food : —

Butter,	\$9,402 93
Beans,	380 18
Bread and crackers,	545 82
Cereals, rice, meal, etc.,	1,289 81
Cheese,	314 15
Eggs,	5,775 00
Flour,	4,405 13
Fish,	2,379 70
Fruit (dried and fresh),	2,097 76
Meats,	5,748 82
Milk,	1,922 20
Molasses and syrup,	532 04
Sugar,	3,104 32
Tea, coffee, broma and cocoa,	1,458 68
Vegetables,	1,242 10
Lard,	391 38
Yeast,	243 00
Salt,	96 85
Sundries,	432 15

41,762 02

Clothing and clothing material : —

Boots, shoes and rubbers,	\$1,220 44
Clothing,	1,510 23
Dry goods for clothing, and small wares,	1,257 74
Furnishing goods,	285 47
Hats and caps,	155 98
Sundries,	51 49

4,481 35

Furnishings : —

Beds, bedding, table linen, etc.,	\$2,395 70
Brushes, brooms, etc.,	364 62
Carpets, rugs, etc.,	774 52
Crockery, glassware, cutlery, etc.,	427 42
Furniture and upholstery,	119 37
Kitchen furnishings,	34 48

Amounts carried forward, \$4,116 11 \$105,679 46

<i>Amounts brought forward,</i>	\$4,116 11	\$105,679 46
Wooden ware, buckets, pails, etc.,	40 74	
Sundries,	129 85	
		4,286 70
Heat, light and power:—		
Coal,	\$9,560 06	
Wood,	67 44	
Electricity,	1 84	
Gas,	147 94	
Oil,	125 48	
Sundries,	122 55	
		10,025 31
Repairs and improvements:—		
Cement, lime and plaster,	\$184 81	
Doors, sashes, etc.,	33 91	
Electrical work and supplies,	887 35	
Hardware,	731 45	
Lumber,	537 92	
Paints, oil, glass, etc.,	1,615 46	
Plumbing, steam fitting and supplies,	856 21	
Roofing and materials,	25 09	
Mechanics and laborers (not on pay roll),	402 41	
Supplies for cold storage,	47 56	
Sundries,	154 49	
		5,476 66
Farm, stable and grounds:—		
Blacksmith and supplies,	\$445 31	
Carriages, wagons, etc., and repairs,	525 28	
Fertilizers, vines, seeds, etc.,	1,726 16	
Hay, grain, etc.,	8,316 76	
Harnesses and repairs,	292 73	
Horses,	1,049 00	
Cows,	27 00	
Other live stock,	872 00	
Labor (not on pay roll),	225 46	
Rent,	52 80	
Tools, farm machines, etc,	1,256 66	
Sundries,	281 70	
		15,070 86
Miscellaneous:—		
Books, periodicals, etc,	\$223 27	
Chapel services and entertainments,	871 04	
Freight, expressage and transportation,	1,092 73	
Funeral expenses,	83 00	
Gratuities,	10 00	
Labor (not on pay roll),	176 00	
Medicines and hospital supplies,	1,313 33	
<i>Amounts carried forward,</i>	\$3,769 37	\$140,538 99

<i>Amounts brought forward,</i>		\$3,769 37	\$140,538 99
Medical attendance, nurses, etc., extra,		770 82	
Postage,		223 40	
Printing and printing supplies,		149 60	
Printing annual report,		159 62	
Return of runaways,		58 77	
Soap and laundry supplies,		1,345 64	
Stationery and office supplies,		185 73	
Travel and expenses (officials),		534 91	
Telephone and telegraph,		130 56	
Tobacco,		619 15	
Water,		2,921 05	
Sundries,		408 04	
			11,276 66
Total expenses for maintenance,			\$151,815 65
Paid out of special appropriations,			11,775 65
Cash advance paid to State Treasurer,			1,000 00
Receipts paid to State Treasurer,			45,476 09
Total payments,			\$210,067 39

RESOURCES AND LIABILITIES.

Resources.

Balance of maintenance appropriation with		
State Treasurer,	\$13,573 24	
Unexpended special appropriations,	20,788 58	
Total resources,		\$34,361 82

Liabilities.

On account of maintenance:—		
Salaries and wages,	\$5,289 55	
Food,	1,976 55	
Clothing,	856 69	
Furnishings,	746 69	
Heat, light and power,	2,642 39	
Repairs and improvements,	630 91	
Farm, stable and grounds,	893 38	
Miscellaneous,	535 50	
	\$13,571 66	
On account of special appropriations:—		
Bills due on account of special appropriation,	1,938 93	
Total liabilities,		\$15,510 59
Balance for the institution:—		
On account of maintenance appropriation,	\$1 58	
On account of special appropriation,	18,849 65	
	\$18,851 23	\$18,851 23

During the year the average number of patients has been, .	772.92
Dividing the total expenditure for maintenance (\$151,815.65)	
by the average number gives an average annual cost of .	\$196 41
Equivalent to an average weekly cost of	3 76

STATEMENT OF FUNDS.

Fred B. Kelly Fund.

On hand Dec. 1, 1906,	\$660 10	
Income,	24 97	
	<hr/>	\$685 07
Expended,		78 89
		<hr/>
Balance in Northampton Institution for Savings, Dec. 1, 1907,		\$606 18

Respectfully submitted,

LEWIS F. BABBITT,

Treasurer.

Examined and approved,

FREDERIC A. PELTON,

Auditor.

DEC. 7, 1907.

Special Appropriations for the Year ending Nov. 30, 1907.

OBJECT.	Resolve.	Whole Amount.	Expended during the Year.	Expended to Date.	Balance at End of the Year.
Furnishing men's infirmary,	Chap. 323, Acts 1904	\$6,500 00	\$227 25	\$6,107 73	\$392 27
Purchase and installation of telephones and clocks, .	Chap. 57, Acts 1904	1,800 00	725 96	1,531 25	268 75
Purchase of land and buildings,	Chap. 61, Acts 1905	5,500 00	-	5,050 00	450 00
Construction of hothouse,	Chap. 71, Acts 1905	1,500 00	1,200 00	1,200 00	300 00
Installation of better water supply,	Chap. 500, Acts 1906	17,500 00	5,783 64	5,783 64	11,716 36
Paint house and work shop,	Chap. 500, Acts 1906	2,500 00	-	-	2,500 00
Purchase of plumbing fixtures,	Chap. 92, Acts 1907	2,000 00	148 98	148 98	1,851 02
Putting electric lights along driveway,	Chap. 92, Acts 1907	1,200 00	1,033 22	1,033 22	166 78
Machinery for bakery,	Chap. 92, Acts 1907	1,000 00	656 60	656 60	343 40
Purchase of cows,	Chap. 92, Acts 1907	2,000 00	2,000 00	2,000 00	-
Construction of hothouse,	Chap. 92, Acts 1907	2,100 00	-	-	2,100 00
Lumber to construct ice house,	Chap. 92, Acts 1907	700 00	-	-	700 00
		\$44,300 00	\$11,775 65	\$23,511 42	\$20,788 58

STATISTICAL TABLES.

[FORM PRESCRIBED BY STATE BOARD OF INSANITY.]

I. — General Statistics for the Year.

	INSANE.			NOT INSANE, VOLUNTARY.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1906,	393	377	770	-	1	1	393	378	771
Admitted within the year,	174	162	336	3	-	3	177	162	339
Viz.: by commitment,	154	139	293	-	-	-	154	139	293
voluntary,	-	-	-	3	-	3	3	-	3
by transfer,	3	3	6	-	-	-	3	3	6
from escape,	1	-	1	-	-	-	1	-	1
from visit,	1	2	3	-	-	-	1	2	3
nonnally admitted from visit for discharge,	15	18	33	-	-	-	15	18	33
Whole number of cases within the year,	567	539	1,106	3	1	4	570	540	1,110
Dismissed within the year,	206	175	381	3	-	3	209	175	384
Viz.: discharged,	74	67	141	3	-	3	77	67	144
as recovered,	19	16	35	-	-	-	19	16	35
as capable of self-support,	16	13	29	-	-	-	16	13	29
as improved,	23	26	49	-	-	-	23	26	49
as not improved,	16	12	28	-	-	-	16	12	28
as not insane,	-	-	-	3	-	3	3	-	3
died,	51	34	85	-	-	-	51	34	85
transferred,	54	57	111	-	-	-	54	57	111
escaped,	8	-	8	-	-	-	8	-	8
on visit October 1,	19	17	36	-	-	-	19	17	36
Patients remaining Sept. 30, 1907,	361	364	725	1	1	1	361	365	726
Viz.: supported as State patients,	289	255	544	-	-	-	289	255	544
as private patients,	40	74	114	-	1	1	40	75	115
as reimbursing patients,	32	35	67	-	-	-	32	35	67
Number of different persons within the year,	551	520	1,071	3	1	4	554	521	1,075
Number of different persons admitted,	159	144	303	3	3	3	162	144	306
Number of different persons admitted by commitment,	154	139	293	-	-	-	154	139	293
Number of different persons dismissed,	191	156	347	3	-	3	194	156	350
Number of different persons recovered,	19	16	35	-	-	-	19	16	35
Daily average number of patients,	16	13	29	-	-	-	16	13	29
Viz.: State patients,	382.05	394.39	776.44	-	1	1	382.05	395.39	777.44
private patients,	313.28	288.54	601.82	-	-	-	313.28	288.54	601.82
reimbursing patients,	40.32	71.73	112.05	-	1	1	40.32	72.73	113.05
	28.45	34.12	62.57	-	-	-	28.45	34.12	62.57

2. — *Insane received on First and Subsequent Commitments.*

NUMBER OF COMMITMENTS.	CASES COMMITTED.		
	Males.	Females.	Totals.
First to this hospital,	136	123	259
Second to this hospital,	15	11	26
Third to this hospital,	5	3	8
Fourth to this hospital,	1	6	7
Total cases,	157	143	300
Total persons,	157	143	300
Never before in any hospital for insane, . .	125	117	242

3. — *Nativity and Parentage of Insane Persons first admitted to Any Hospital.*

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patients.	Fathers.	Mother's.	Patients.	Fathers.	Mother's.	Patients.	Fathers.	Mother's.
Massachusetts,	46	18	22	50	21	20	96	39	42
Other New England States, . .	12	10	11	11	11	11	23	21	22
Other States,	10	9	9	7	4	4	17	13	13
Total native,	68	37	42	68	36	35	136	73	77
Other countries:—									
Austria,	6	6	6	1	1	1	7	7	7
Bohemia,	—	—	—	2	2	2	2	2	2
Canada,	15	19	16	7	10	10	22	29	26
England,	4	3	3	5	8	11	9	11	14
Finland,	2	2	2	1	1	1	3	3	3
Germany,	4	5	5	1	2	2	5	7	7
Ireland,	13	37	36	29	48	47	42	85	83
Italy,	5	5	5	—	—	—	5	5	5
Poland,	—	—	—	1	1	1	1	1	1
Russia,	2	2	2	1	1	1	3	3	3
Scotland,	4	7	6	1	4	3	5	11	9
Sweden,	2	2	2	—	—	—	2	2	2
Total foreign,	57	88	83	49	78	79	106	166	162
Unknown,	—	—	—	—	3	3	—	3	3
Totals,	125	125	125	117	117	117	242	242	242

4. — *Residence of Insane Persons admitted by Commitment.*

PLACES.	FIRST ADMITTED TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Hampshire County, . . .	16	25	41	7	6	13	23	31	54
Hampden County, . . .	62	64	126	14	10	24	76	74	150
Berkshire County, . . .	33	24	57	7	3	10	40	27	67
Franklin County, . . .	14	3	17	1	3	4	15	6	21
Worcester County, . . .	—	1	1	—	—	—	—	1	1
Totals,	125	117	242	29	22	51	154	139	293
Unknown,	—	—	—	—	—	—	—	—	—
Totals,	125	117	242	29	22	51	154	139	293
Cities and towns, . . .	78	88	166	23	14	37	101	102	203
Country districts, . . .	47	29	76	6	8	14	53	37	90
Totals,	125	117	242	29	22	51	154	139	293

5. — *Civil Condition of Insane Persons first admitted to Any Hospital.*

	Males.	Females.	Totals.
Unmarried,	52	46	98
Married,	52	46	98
Widowed,	20	25	45
Divorced,	1	—	1
Unknown,	—	—	—
Totals,	125	117	242

6. — *Occupation of Insane Persons first admitted to Any Hospital.*

MALES.			
Bartenders,	2	Hostler,	1
Blacksmiths,	2	Iron workers,	3
Brass moulders,	2	Newspaper reporter,	1
Cabinet maker,	1	Operatives,	15
Carpenters,	3	Painters,	3
Cigar makers,	2	Physician,	1
Clerk,	1	Policemen,	2
Cooks,	2	Porter,	1
Electrician,	1	Printer,	1
Elevator boy,	1	Railroad employees,	3
Farmers,	11	Salesmen,	3
Farm laborers,	6	Shoemaker,	1
Glass blower,	1	Stationary fireman,	1
Laborers,	33	Student,	1
Machinists,	2	Undertakers,	2
Mechanics,	4	Watchman,	1
Merchant,	1	Wood worker,	1
Miner,	1	No occupation,	7
Moulder,	1	Total,	125

FEMALES.			
Domestics,	25	Operatives,	14
Dressmaker,	1	Teacher,	1
Housekeepers,	8	Tobacco stripper,	1
Laundress,	1	Waitress,	1
Milliner,	1	No occupation,	27
Nurse,	1	Total,	81

6. — *Occupation of Insane Persons first admitted to Any Hospital*
— Concluded.

WIFE OF —

Bookkeeper,	2	Laborer,	10
Cigar maker,	1	Merchant,	1
Clerk,	1	Miner,	1
Coachman,	1	Newspaper reporter,	1
Coal dealer,	1	Operative,	4
Dentist,	1	Physician,	1
Dry goods buyer,	1	Railroad engineer,	1
Farmer,	5	Saloon keeper,	3
Junk dealer,	1	Total,	36

9. — Probable Duration of Mental Disease before Admission.

PREVIOUS DURATION.	FIRST ADMITTED TO ANY HOSPITAL.		
	Males.	Females.	Totals.
Congenital,	12	11	23
Under 1 month,	36	19	55
From 1 to 3 months,	21	16	37
3 to 6 months,	7	7	14
6 to 12 months,	7	12	19
1 to 2 years,	13	14	27
2 to 5 years,	14	18	32
5 to 10 years,	9	9	18
10 to 20 years,	4	7	11
Over 20 years,	1	3	4
Total,	124	116	240
Unknown,	1	1	2
Totals,	125	117	242
Average known duration (in years),	1.5	2.9	2.2

10. — *Form of Mental Disease in Patients committed or discharged, with Condition on Discharge, or died.*

FORM OF DISEASE.	COMMITTED.			DISCHARGED.												DIED.			TOTAL DISCHARGES AND DEATHS.				
	Ma.	Fe.	Tot.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			Ma.	Fe.	Tot.	Ma.	Fe.	Tot.		
				Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.								
A. — First admitted to any hospital : —																							
Insane : —																							
Acute alcoholic insanity,	12	8	20	13	6	19	1	—	1	—	—	—	—	—	—	—	1	1	2	15	7	22	
Acute delirium,	2	—	2	1	—	1	—	—	—	—	—	—	—	—	—	—	—	1	—	1	2	—	2
Chronic alcoholic insanity,	8	4	12	—	—	—	3	—	3	—	2	2	1	—	1	—	1	1	2	5	3	8	
Dementia praecox,	29	18	47	—	—	—	5	6	11	9	6	15	3	2	5	—	2	1	3	19	15	34	
Epilepsy,	4	3	7	—	—	—	—	—	—	2	3	5	—	1	1	—	1	—	1	3	4	7	
Involution psychosis,	4	6	10	—	—	—	1	1	2	2	3	5	—	—	—	—	3	—	3	6	4	10	
Manic-depressive insanity,	12	29	41	3	7	10	1	2	3	1	3	4	2	1	3	—	1	3	4	8	16	24	
Mental deficiency,	11	10	21	—	—	—	1	1	2	2	1	3	4	2	6	—	4	2	6	11	6	17	
Organic dementia,	2	16	18	—	—	—	—	—	—	1	—	1	—	—	—	—	2	7	9	3	7	10	
Paranoia,	2	2	4	—	—	—	1	1	2	—	—	—	—	—	1	—	—	—	—	1	2	3	
Paresis,	7	7	14	—	—	—	—	—	—	2	1	3	2	—	2	—	9	—	9	13	1	14	
Senile dementia,	31	14	45	—	—	—	—	—	—	1	2	3	2	2	4	—	17	11	28	20	15	35	
Toxic insanity, acute : —																							
Morphine habit,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Total A,	125	117	242	17	13	30	13	11	24	20	21	41	14	9	23	—	42	26	68	106	80	186	

10. — *Form of Mental Disease in Patients committed or discharged, with Condition on Discharge, or died — Continued.*

FORM OF DISEASE.	COMMITTED.			DISCHARGED.												DIED.			TOTAL DISCHARGED AND DEATHS.			
				RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.									
	Mn.	Fe.	Tot.	Mn.	Fe.	Tot.	Mn.	Fe.	Tot.	Mn.	Fe.	Tot.	Mn.	Fe.	Tot.	Mn.	Fe.	Tot.				
B. — Other admissions : —																						
Insane —																						
Acute alcoholic insanity, .	—	1	1	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	
Acute delirium,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Chronic alcoholic insanity, .	1	3	4	—	—	—	—	—	—	—	1	1	—	—	—	1	2	3	1	4	5	
Dementia praecox,	7	5	12	—	—	—	1	2	1	—	—	—	—	—	—	1	1	4	5	1	6	
Epilepsy,	2	1	3	2	2	4	1	—	1	—	—	—	—	—	—	—	1	1	1	1	2	
Involution psychoids,	1	—	1	—	—	—	1	1	1	1	1	1	—	—	—	—	—	—	—	2	2	
Manic-depressive insanity, .	5	6	11	1	2	3	1	1	2	—	—	1	1	—	—	—	—	—	2	4	6	
Mental deficiency,	4	1	5	—	—	—	—	—	—	1	1	1	1	—	—	1	1	1	1	2	3	
Organic dementia,	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	1	—	1	
Paranoia,	1	2	3	1	1	2	—	—	—	—	—	—	1	1	—	—	1	1	—	2	2	
Paresia,	3	1	4	1	1	2	—	—	—	1	1	—	—	—	—	1	—	1	1	—	1	
Senile dementia,	4	1	5	1	1	2	1	—	1	1	1	2	1	—	—	3	3	6	5	4	9	
Toxic insanity, acute —																						
Morphine habit,	1	1	2	—	1	1	—	—	—	1	—	1	—	—	—	—	—	—	1	1	2	
Total B,	29	22	51	2	3	5	3	5	8	3	5	8	2	3	5	9	8	17	19	21	40	
Aggregate cases,	154	139	293	19	16	35	16	13	29	23	20	49	16	12	28	51	34	85	125	101	226	
Aggregate persons,	154	139	293	19	16	35	16	13	29	23	20	49	16	12	28	51	34	85	125	101	226	

11. — Discharges of the Insane classified by Admissions and Results, and Deaths.

NUMBER OF ADMISSIONS.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital, . . .	17	13	30	14	12	26	22	23	45	16	10	26	44	28	72	114	86	200
Second to this hospital, . . .	2	2	4	2	—	2	1	1	2	—	2	2	6	5	11	11	10	21
Third to this hospital, . . .	—	1	1	—	—	—	—	1	1	—	—	—	1	1	2	2	3	5
Fourth to this hospital, . . .	—	—	—	—	1	1	—	1	1	—	—	—	—	—	—	—	2	2
Total cases, . . .	19	16	35	16	13	29	23	26	49	16	12	28	51	34	85	128	101	229
Total persons, . . .	19	16	35	16	13	29	23	26	49	16	12	28	51	34	85	128	101	229
First admitted to any hospital, . . .	17	13	30	13	11	24	20	21	41	14	9	23	42	26	68	107	80	187

12. — Causes of Death and Form of Mental Disease in Persons who died.

	ACUTE ALCOHOLIC INSANITY.			ACUTE DELIRIUM.			CHRONIC ALCOHOLIC.			DEMENTIA PRÆCOX.			EPILEPSY.			INVOLUTION PSYCHOSIS.			MANIC-DEPRESSIVE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General diseases: —																					
Carcinoma,																					
Erysipelas,																					
Exhaustion from acute alcoholic, . .																					
Exhaustion from manic-depressive insanity,																					
Gangrene of foot,	1		1				1		1												
General tuberculosis,								1	1												
Senility,																					
Septicæmia,																					
Typhoid fever,		1	1																		
Diseases of the nervous system: —																					
Cerebral abscess,																					
Epilepsy,													1	1	1						
General paralysis of the insane, . .																					
Diseases of the circulatory system: —																					
Anæmia,																					
Cerebral hemorrhage,										1		1									
Endocarditis,							1		1	2	1	3				1		1			
Myocarditis,																					
Diseases of the respiratory system: —																					
Pulmonary tuberculosis,										1		1								1	1
Broncho-pneumonia,																					
Lobar pneumonia,																					
Diseases of the digestive system: —																					
Duodenal ulcer,								1	1												
Diseases of the genito-urinary system: —																					
Chronic nephritis,																					
Pylonephritis,																					
Totals,	1	1	2	1	—	1	2	3	5	5	2	7	1	1	2	3	—	3	1	3	4

12.—Causes of Death and Form of Mental Disease in Persons who died—Concluded.

	MENTAL DEFICIENCY.			ORGANIC DEMENTIA.			PARANOID.			PARSIS.			SENILE DEMENTIA.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General diseases:—																		
Carcinoma,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Erysipelas,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Exhaustion from acute alcoholic,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Exhaustion from manic-depressive insanity,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Gangrene of foot,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
General tuberculosis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Senility,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Septicæmia,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Typhoid fever,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Diseases of the nervous system:—																		
Cerebral abscess,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Epilepsy,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
General paralysis of the insane,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Diseases of the circulatory system:—																		
Anæmia,	1	1	2	1	5	7	—	—	—	—	—	—	—	—	—	1	3	4
Cerebral hemorrhage,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	10	11
Endocarditis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Myocarditis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Diseases of the respiratory system:—																		
Pulmonary tuberculosis,	2	1	3	—	—	—	—	—	—	—	—	—	—	—	—	3	3	6
Broncho-pneumonia,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	2
Lobar pneumonia,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Diseases of the digestive system:—																		
Duodenal ulcer,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the genito-urinary system:—																		
Chronic nephritis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pylonephritis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	5	2	7	2	7	9	—	1	1	10	—	10	20	14	34	51	34	85

13. — Duration of Mental Disease and its Treatment in Patients who recovered or died.

	FIRST ADMITTED TO ANY HOSPITAL.						ALL OTHER ADMISSIONS.					
	DURATION BEFORE ADMISSION			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Recoveries : —												
Under 1 month, . . .	13	6	19	5	1	6	3	—	3	—	—	—
From 1 to 3 months, . . .	3	6	9	9	6	15	10	4	14	—	—	—
3 to 6 months, . . .	—	1	1	2	4	6	2	6	8	1	1	2
6 to 12 months, . . .	—	—	—	1	1	2	1	2	3	—	—	—
1 to 2 years, . . .	1	—	1	—	1	1	1	1	2	—	—	—
2 to 5 years, . . .	—	—	—	—	—	—	—	—	—	1	1	1
5 to 10 years, . . .	—	—	—	—	—	—	—	—	—	—	—	—
10 to 20 years, . . .	—	—	—	—	—	—	—	—	—	—	—	—
Over 20 years, . . .	—	—	—	—	—	—	—	—	—	—	—	—
Totals, . . .	17	13	30	17	13	30	17	13	30	2	3	5
Unknown, . . .	—	—	—	—	—	—	—	—	—	—	—	—
Totals, . . .	17	13	30	17	13	30	17	13	30	2	3	5
Average of known cases (in months),	1.1	1.0	1.1	1.7	4.0	2.7	2.8	5.0	3.8	19.0	17.6	13.0

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FIFTY-THIRD ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON STATE HOSPITAL,

FOR THE

YEAR ENDING NOVEMBER 30, 1908.



BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.
1909.

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STATE HOUSE BOSTON
Officers of Book

APPROVED BY

THE STATE BOARD OF PUBLICATION.

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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

CHARLES S. SHATTUCK,	HATFIELD.
ALVAN BARRUS, <i>Chairman</i> ,	GOSHEN.
SARAH A. WOODWORTH,	CHICOPEE.
CAROLINE A. YALE,	NORTHAMPTON.
F. W. CHAPIN, M.D.,	SPRINGFIELD.
WILLIAM D. MacINNES,	PITTSFIELD.
HENRY L. WILLIAMS, <i>Secretary</i> ,	NORTHAMPTON.

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,	<i>Superintendent.</i>
CHARLES H. DEAN, M.D.,	<i>Assistant Physician.</i>
HARRIET M. WILEY, M.D.,	<i>Assistant Physician.</i>
GRACE E. B. RICE, M.D.,	<i>Assistant Physician.</i>
EDWARD W. WHITNEY, M.D.,	<i>Assistant Physician.</i>
C. STANLEY RAYMOND, M.D.,	<i>Assistant Physician.</i>
LEWIS F. BABBITT,	<i>Clerk.</i>
SUSAN E. WARREN,	<i>Matron.</i>
JOSEPH G. COOK,	<i>Farmer.</i>
WAVERLEY D. PACKARD,	<i>Engineer.</i>

TREASURER.

LEWIS F. BABBITT,	NORTHAMPTON.
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Office at the Hospital.

The Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital respectfully submit their fifty-third annual report.

An appropriation of \$159,000 was made by the Legislature of 1908 for maintenance for the year ending Nov. 30, 1908. This appropriation was based on the expectation that we should have a daily average number of 750 patients to care for, according to the estimate of the State Board of Insanity, who hoped to keep our numbers to that limit by transfers of patients to other hospitals, if necessary; but because of the rapid accumulation of patients in these other institutions, such transfers could not be made. As a consequence, we have had to care for a daily average number of 802 patients. This we were able to do by the exercise of rigid economy. The weekly per capita expenditure for maintenance was \$3.79.

There was received for board of patients from relatives and friends \$44,848.24, and from sales and interest on bank deposits \$1,637.62, — a total of receipts of \$46,485.86, equivalent to a reduction of \$1.10 in the weekly per capita cost to the Commonwealth.

A considerable proportion, amounting to about \$750, of the money received for sales was for what had been paid for out of our maintenance appropriation; for instance, for books and materials for uniforms for nurses, packing cases, egg cases, barrels, hides and money refunded for freight. It seems just to us that such receipts should go back into our maintenance fund instead of into the State treasury. In the matter of hides, for

instance; we buy most of our beef on the hoof, slaughtering as needed and selling the hides. The past year the sum received from that source was nearly \$400, which should be applied to reducing the cost of our beef. Similarly with flour; the barrels paid for out of our maintenance fund were sold this year for nearly \$100, which would buy quite a number of barrels of flour could we have the use of it, as we think proper.

The matters for which special appropriations have been made have been attended to. The most important of these has been the laying of the water main of 12-inch pipe a distance of 3,700 feet, to connect with a 16-inch pipe from Northampton's system. This 12-inch pipe is connected to a line of 10-inch pipe near the hospital, which makes a circuit of the hospital buildings, a distance of 2,000 feet, thus affording a flow of water each way. From this latter line of pipe 6-inch branches extend to nineteen hydrants. The water pressure by this new line is increased by about 30 pounds over the pressure on the old 6-inch line, thus making a much more efficient pressure for fire protection.

Basing our estimate of the number of patients to be cared for the coming year upon the number cared for the past few months, it seems likely that we shall have a daily average number of 840 patients to support. To care for this number we shall require a maintenance appropriation of \$173,000.

We shall ask for several small appropriations for special purposes. A new freight elevator is needed in the storehouse to replace the old one, which has been broken and in disuse for some time and which is beyond repair. Bids for a new one have been made for about \$750. We also need in the barn a bone cutter, a cider press, and a small motor to operate them, which will also be used for other purposes, — as in turning a grindstone, for instance; these will cost approximately \$250. For the above purposes we ask for \$1,000.

Our sidewalks are in many places in need of renewal and new ones are needed in places where none have been. We ask for \$1,000 for this purpose. This amount will not be sufficient to complete the work, but as this work will be done by our own employees, with the help of patients, instead of by contractors, it is believed that the amount asked for will be all we shall use this coming year.

At the time of writing this report we are apprised of the fact that the bakery oven, which has been in use about fifteen years, shows serious indications of giving out, and we may need to ask for an appropriation to cover the expenses of a new one, but this cannot now be determined. It is hoped, however, that this matter may wait till next year.

There has been nothing unusual to record in the affairs of the hospital the past year. At our monthly meetings, and at frequent visitations of trustees between the stated meetings, the work of the hospital appeared to be going on harmoniously.

We have to record the death of Mr. John Mercier on June 25, 1908, who had been in our service on the farm for forty-one years, most of the time as head farmer. He was a faithful and loyal officer, always making the interests of the hospital his own. Under his management our farm became a most profitable and useful part of the hospital.

We refer to the reports of the superintendent and treasurer for fuller details of the affairs of the hospital.

CHARLES S. SHATTUCK.
ALVAN BARRUS.
SARAH A. WOODWORTH.
CAROLINE A. YALE.
F. W. CHAPIN, M.D.
WILLIAM D. MACINNES.
HENRY L. WILLIAMS.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

The superintendent's report of the affairs of the hospital for the fiscal year ending Nov. 30, 1908, is respectfully submitted.

The tables of statistics concerning patients, which are appended to this report, are for the year ending Sept. 30, 1908.

On Oct. 1, 1907, there were 726 patients in our care. During the succeeding twelve months 321 cases were committed to the hospital, 6 voluntary cases were admitted, 4 cases were transferred by the State Board of Insanity from boarding out and from other institutions, 5 were admitted from trial visit and 5 from elopement, making a total of 341 cases admitted and of 1,067 under care and treatment during the year. Of these, 269 were dismissed, leaving 829 patients in our care on Sept. 30, 1908. The daily average number cared for was 789, of whom a daily average of 116 were private patients.

Of the 322 patients who were committed as insane, 265 were first commitments to this hospital and 57 had been here before; 197 were born in this country; 125, or 39 per cent., were foreign born; 64 per cent. were of foreign parentage.

Intemperance was the chief exciting cause of insanity in 66 of the cases admitted, a larger number than from any other cause, and this was also a contributory cause in at least 17 other cases; hereditary predisposition seemed to be the principal cause in 49 cases and a factor in 20 other cases; senility was the chief cause in 45 cases and a contributory cause in 20 other cases; degenerative changes and organic brain disease were the principal causes in 21 cases.

Seven patients under voluntary commitment were in our care during the year, 1 having been here six years and now gradually improving. Three of these were discharged, 2 being committed

later as insane; the others remain in the hospital, all of whom are improving, 2 seeming to be in nearly a normal mental condition. Our experience shows the privilege of voluntary commitment to be of great value to those who make use of it, but one not taken advantage of by many because of the fear of the opprobrium of being treated in a hospital with the insane.

Of those who were dismissed, 32 were discharged as recovered, 24 as capable of self-support, 32 as improved, 19 as not improved and 1 as not insane, 91 died, 32 were transferred by the State Board of Insanity to other hospitals, or to be boarded out, 8 eloped, and 27 were out on visit at the end of the year.

The ratio of recoveries to the admissions, or to the number of patients under treatment, cannot be even approximately constant year after year, since it depends upon certain factors which vary within wide limits, — the age of the patient, the duration of the insanity before the patient's admission to the hospital, the form of insanity, also the physical condition of the patient on admission. This year 78 of those admitted were senile cases, 42 being over seventy years of age. Two-thirds of the admitted cases had been insane more than six months at the time of admission, but our records show that only a small percentage of our cases recover who have been insane that length of time. The average duration of insanity before admission to this hospital of patients who recovered this year was two months. Less than 25 per cent. of the patients admitted were suffering from forms of insanity from which recovery may be expected. Thirty-seven of the patients admitted were so-called congenital cases.

The proportion of recoveries relative to discharges is naturally diminished by the number who are allowed to go home on trial visit, some of whom are nearly well at the time of leaving the hospital. Inasmuch as our records show only the condition of patients at the time of leaving the hospital, the hospital thereby loses the credit of the recovery of such patients as complete their recovery at home. During the past year 84 cases were dismissed on trial visit. At least 8 of these have apparently recovered since they left the hospital, and undoubtedly more than this number are considered by relatives and neighbors to have recovered.

Of the deaths, 27 were from old age. The average age of all who died was sixty-two years. Forty-nine of the patients who

died were over sixty years old; 26 of these were between seventy and eighty years old and 15 were over eighty years old. Other principal causes of death were cerebral hemorrhage in 12 cases, paresis in 9, pulmonary and general tuberculosis in 6 and septicæmia in 4.

At the beginning of the year we had under our supervision 7 patients boarded out in private families, and during the year 4 more were placed out, in addition to 6 patients transferred by the State Board of Insanity to be boarded out under its care. Five of the patients under our care had to be returned to the hospital, 2 because they did not prove to be suitable cases, the others because the families did not care to keep them longer. These 5 averaged a residence away from the hospital of twenty-three months. Six patients were boarded out under our care at the end of the year.

There has been but little sickness among the patients but many cases have been cared for in bed, which is due in great measure to the large number of patients who are advanced in years, and who, because of the infirmities of age, require as much care as children.

Interest in the training school for nurses has been maintained. A class of 8 nurses was graduated in October: Misses Niola M. Watson, Phœbe M. Wheeler, Mabel E. James, Pearl Simmons, Mary Elizabeth James, Amy Yeo, Louise Coulter and Sarah F. Brown. Thirteen of our graduates are at present in our service. It would be desirable to retain a larger number than this, but many of the graduates are anxious to enter upon the private practice of nursing. For several years it has been difficult to secure as many nurses of proper qualifications as are needed for the work, due partly to the rapid multiplication of training schools for nurses and partly to the general prosperity of the country, which enables young women easily to secure desirable places at good wages, and it seems probable that it will be increasingly difficult to maintain the number we require. The work is far from attractive, aside from the training school, and we shall have to offset this by shorter hours on duty and larger wages.

Instruction in special cooking for invalids has been continued, the course this year being in charge of Miss Hedges.

The gymnastic work has been conducted by Miss Woster, who

has had classes of nurses and of patients. In addition, she has also had an afternoon each week devoted to the amusement of patients on the wards.

Many patients of both sexes have been engaged in some form of employment in the routine work of the different departments of the hospital, — in the shops, on the farm and in the gardens, — as noted frequently in former reports. Many men have helped in the extra work which has been done this year. In the spring, before frost had left the ground, they began to trench for the large water main, for which an appropriation was made in 1906. Approximately one and a third miles were laid of 8-inch, 10-inch and 12-inch pipe. Patients did all the trenching and filling for this, and helped much in the placing of the pipe in position. In one part of its course it was necessary to lay the 12-inch pipe in the bed of Mill River. Patients did all the excavating for the cellar of the new paint shop, which was built within the year, helping also in the building of the basement walls. Additions were built to two of the houses occupied by employees, — to one a bath and toilet room, to the other a kitchen and dining room; and an addition was built to the new greenhouse, for a work room. In all this work, patients assisted in laying the foundations, also in the carpenter work and painting. By the employment of patients in such undertakings the work can be done with much smaller appropriations of money by the Legislature, thus conducing to greater economy for the Commonwealth, besides adding to the health and comfort of the patients, and not infrequently hastening the recovery of convalescent patients.

Although the prolonged drought of the summer affected some of the crops adversely, notably the yield of potatoes, which was the smallest in many years, yet our farm made an excellent showing, which compares favorably with other years, as will appear by reference to the list of farm products appended to this report. About 150 apple trees were planted in the new orchard at Sunset hill. Several acres on the western boundary of the farm have been cleared of stones and several deep swamp holes which extended over an area of about five acres have been filled with stones and covered with earth to a depth of several feet, thus bringing nine or ten acres into tillable condition.

Frequent assemblies of patients have been held during the year. On every Lord's Day divine worship has been conducted by one of the clergymen of this vicinity. Evening entertainments have been held as follows: December 25, Christmas tree; December 28, readings, Mrs. Pooler; January 4, readings and banjo recital, Messrs. Newmarker and McGee; January 6, musical. "Zambra Mandolin Trio;" January 13, minstrels, Father Mathew Temperance Society of Florence; January 27, readings and songs, Mr. Payne, Dr. and Mrs. Treichler; February 10, musical, Mr. and Mrs. Wheeler; February 25, piano recital, Miss Story; March 7, chalk talk, Mr. Spedon; March 16, whist party; March 31, ventriloquism, Mr. Bryant; April 14, musical, Mr. Lorraine; April 19, readings and songs, Miss Richings; May 5, readings and songs, Mr. Taggart; May 26, musical, Mr. Bradley and Mr. Bill; October 12, readings and songs, Mr. Taggart; October 16, training school graduation; October 31, Hallowe'en party; November 2, musical, "The Marshalls;" November 16, ventriloquism and songs, Mr. Prescott; November 23, song recital, Mr. Brigham. Besides the above there have been dancing on twenty-three evenings, readings, with singing and instrumental music as a part of the exercises, on forty-four evenings, stereopticon lectures on six evenings, use of the reflectoscope on two evenings, simplex piano player on three evenings and graphophone on one evening. On July 4 a band concert was given in the evening by the Northampton band of twenty-five pieces. Throughout the summer baseball games have been played every week on the lawn in front of the hospital, and several picnics have been held on Sunset hill.

It is a pleasure to acknowledge the following gifts to the hospital for the benefit of our patients, and on their behalf I thank the givers: presents for the Christmas tree from Miss Margaret G. Beardsworth of Portland, Me., and from Mrs. William T. Parker, Mrs. J. L. Egbert, Miss Jennie Allard and Mrs. Daniel J. Harrington of Springfield; magazines and papers from Miss Pomeroy, Miss Gorham, Mrs. W. F. Ganong, Mrs. M. G. Graves, Messrs. Bridgman and Lyman, "Dewey House" and "Home Culture Clubs" of Northampton, Mr. R. W. Hunter of Greenfield, Mr. G. F. Ryder of Springfield; "Christian Register" and "Dumb Animals" have been regularly received.

The club house, which was given us last year by Mrs. L. D. James, deserves another word of appreciation. It has proven very popular with the patients and attendants, especially during the winter months. Groups of patients go there every day, and afternoons and evenings it is in constant use. It adds greatly to the comfort and happiness of the inmates.

The personnel of the medical staff and of the officers of the hospital has not been changed. It is an agreeable duty to record my appreciation of their faithfulness to their respective duties.

JOHN A. HOUSTON,
Superintendent.

DIETARY OF THE NORTHAMPTON STATE HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about three hundred persons, and the second to those of somewhat over three hundred. In addition to these, about 190 quarts of egg and milk are taken through the wards between meals and at bed time, and distributed to the old, the feeble and the convalescent classes.]

BILL OF FARE No. 1.

BREAKFAST.

- Monday.* — Tea, oatmeal, coffee, broiled beefsteak or eggs, potatoes, warm rolls ("biscuit"), bread and butter.
- Tuesday.* — Tea, coffee, oatmeal, fried tripe,¹ potatoes, warm rolls, bread and butter.
- Wednesday.* — Tea, coffee, oatmeal, broiled beefsteak or eggs, potatoes and warm brown (rye and Indian) bread.
- Thursday.* — Tea, coffee, oatmeal, broiled beefsteak, potatoes, warm rolls, bread and butter.
- Friday.* — Tea, coffee, oatmeal, fried tripe,¹ potatoes, warm rolls, bread and butter.
- Saturday.* — Tea, coffee, oatmeal, either fried fish-balls or liver, meat hash, hot corn cake, bread and butter.
- Sunday.* — Tea, coffee, oatmeal, eggs, potatoes, warm rolls, bread and butter and fried Indian corn pudding.

DINNER.

- Monday.* — Roast beef, potatoes and one other vegetable,² bread and butter, boiled rice with syrup or sugar.
- Tuesday.* — Vegetable soup, roast or stewed veal,³ potatoes and one other vegetable,² bread and butter, and baked Indian pudding.
- Wednesday.* — Either roasted or boiled mutton, potatoes and one other vegetable,² bread and butter, and berry or apple pudding, with sauce.⁴

¹ Tripe is replaced in winter by sausages, and in spring by fried ham and eggs, except in the season of shad, when that fish is given once each week instead of ham and eggs, and once instead of beefsteak.

² At least three vegetables during the summer.

³ Substituted in winter by fresh pork ribs, roasted.

⁴ In spring, maple syrup is used as sauce for puddings.

- Thursday.* — Vegetable soup, corned beef, potatoes and one other vegetable,¹ bread and butter, and boiled suet pudding, with syrup.
- Friday.* — Either fried or baked fresh fish,² or stewed or roasted veal, potatoes and one other vegetable,¹ bread and butter, and tapioca pudding or raisin pudding of either rice, bread or cracker.
- Saturday.* — Baked beans, corned beef, potatoes and one other vegetable,¹ pickles, bread and butter, and baked bread pudding.
- Sunday.* — Stewed mutton, sweet potatoes, warmed baked beans, pickles, bread and butter and pies, the kind varying with the season.

SUPPER.

- Monday.* — Tea and bread, warm corn cake and butter, hard gingerbread and a relish.³
- Tuesday.* — Tea, white bread, graham bread and butter, soft gingerbread and a relish in the warm season, substituted by buckwheat cakes in the cold season.
- Wednesday.* — Tea, bread and butter, pie (the kind varying with the season), and ginger snaps and a relish.
- Thursday.* — Tea, bread and butter, cookies and cheese.
- Friday.* — Tea, bread and butter, cake (the kind varying) and a relish.
- Saturday.* — Tea, bread and butter, doughnuts and cheese.
- Sunday.* — Tea, bread and butter, cookies and ginger snaps and blane-mange or corn starch.
- Extra.* — In the winter and spring months hulled corn at supper, once in two weeks, on Saturdays.

BILL OF FARE No. 2.

BREAKFAST.

- Monday.* — Coffee, oatmeal¹, boiled eggs, potatoes, and bread and butter.
- Tuesday.* — Coffee, oatmeal, cold roast beef, potatoes, and bread and butter.
- Wednesday.* — Coffee, oatmeal, meat stew or boiled eggs, potatoes, and warm rye and Indian corn brown bread and butter.
- Thursday.* — Coffee, oatmeal, pickled codfish cooked in milk, potatoes, and bread and butter.
- Friday.* — Coffee, oatmeal, cold corned beef or meat stew, potatoes, and bread and butter.
- Saturday.* — Coffee, oatmeal, hash, either of meat or fish, and bread and butter.
- Sunday.* — Coffee, oatmeal, boiled eggs, potatoes, and bread and butter.

¹ At least three vegetables during the summer.

² Substituted by stewed oysters in winter and spring, with some kind of roasted meat for those who prefer it.

³ This term, used for the want of a better, includes dried beef, berries, baked apples, apple sauce and canned fruits, all of which are supplied, and each according to the season.

DINNER.

- Monday.* — Roast beef, potatoes and one other vegetable,¹ boiled hominy with molasses, and bread.
- Tuesday.* — Vegetable soup, potatoes and one other vegetable,¹ baked Indian pudding² and bread.
- Wednesday.* — Boiled codfish with drawn-butter sauce, potatoes and one other vegetable,¹ boiled hasty pudding with molasses, and bread.
- Thursday.* — Vegetable soup, potatoes, cabbage or some other vegetable,¹ boiled rice with molasses,³ and bread.
- Friday.* — Boiled fresh fish with drawn-butter sauce, potatoes, beets or some other vegetable,¹ boiled hasty pudding with molasses, and bread.
- Saturday.* — Hot baked beans, potatoes, baked Indian or bread pudding, pickles and bread.
- Sunday.* — Cold corned beef, potatoes, pies (the kind varying with the season) and bread.

SUPPER.

- Monday.* — Tea, bread and butter, and hard gingerbread.
- Tuesday.* — Tea, bread and butter, and soft gingerbread.
- Wednesday.* — Tea, bread and butter, cake or ginger snaps, and some kind of relish.
- Thursday.* — Tea, bread and butter, and cookies.
- Friday.* — Tea, bread and butter, and soft gingerbread.
- Saturday.* — Tea, bread and butter, cake or ginger snaps. sauce.
- Sunday.* — Tea, bread and butter, and cookies.

EXTRAS.

In the winter and spring months, hulled corn at supper on Saturdays.

In August and September these tables are furnished at supper with either berries, tomatoes or baked apples, as many as five times a week.

In eight halls, sauce of either fresh or dried apples is furnished four times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day and on Christmas, with vegetables, celery, cranberry sauce, pudding, pie and cider.

From four to five bushels of green sweet corn in the ear is consumed in its season, daily, with the exception of Sunday.

Strawberries, tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

¹ At least three vegetables in the summer.

² All baked puddings for the whole household are made with milk.

³ Maple syrup is furnished, in place of molasses, three or four times in the spring.

In the spring, cowslips and dandelions are largely used as greens, and horse-radish as a condiment.

During eight months of the year, apples are distributed, daily, among the patients.

Beef tea, chicken broth, mutton broth, scalded milk, arrow-root gruel, oatmeal gruel, milk punch, cracked wheat, oatmeal porridge, dry toast, milk toast, toast with dropped egg, and boiled eggs, for invalids and all who are not able to take the regular fare.

ARTICLES MADE IN SEWING ROOM.

Aprons,	493	Milk cloths,	137
Bandages,	6	Mittens,	69
Bath robes,	10	Night caps,	36
Bureau covers,	297	Night gowns, long,	17
Caps,	484	Night gowns, short,	235
Carpets,	2	Napkins,	212
Chair cushion,	1	Ox blankets,	3
Chemises,	136	Petticoats,	243
Clothes bags,	68	Pillow cases,	1,428
Corset covers,	10	Pillow ticks,	8
Covers for laundry extractor,	7	Rugs,	66
Curtains, shades,	168	Sheets,	1,679
Curtains, sash,	107	Shirts,	255
Curtains, screen,	36	Shirt waists,	21
Dresses,	293	Stand covers,	525
Dress skirts,	3	Table cloths,	193
Dresses made over,	4	Towels,	2,961
Drawers,	33	Towels, roller,	140
Holdes,	175	Tray cloths,	214
Mattress ticks,	152		

UPHOLSTERY DONE IN THE YEAR.

Hair mattresses made, new material,	42
Hair mattresses made, old material,	222
Hair mattresses made, old hair, new ticks,	183
Hair pillows made, new material,	12
Hair pillows made, old material,	62
Feather pillows, new ticks,	3
Lounges upholstered,	3

OFFICERS AND EMPLOYEES.

[Time employed, Nov. 30, 1908.]

NAMES.	Years.	Months.	Days.
John A. Houston, M.D., superintendent, .	19	2	7
Harriet M. Wiley, M.D., assistant physician, .	8	9	29
Charles H. Dean, M.D., assistant physician, .	8	6	21
Grace E. B. Rice, M.D., assistant physician, .	5	—	27
Edward W. Whitney, M.D., assistant physician, .	3	2	11
C. Stanley Raymond, M.D., assistant physician, .	2	5	—
Lewis F. Babbitt, treasurer,	17	1	18
Burton G. Fiske, supervisor,	5	1	15
Alice E. Bedell, assistant superintendent of nurses,	6	3	20
Susan E. Warren, matron,	14	8	8
Martha G. Jones, secretary to superintendent, .	15	4	11
Helen M. Bailey, stenographer,	2	5	26
Joseph G. Cook, farmer,	2	4	5
Lucy A. Gilbert, clothes marker,	40	10	17
George N. Drury, steward,	11	2	—
William J. Moore, assistant steward,	12	1	3
Horace Cass, assistant steward,	—	—	27
Jay E. Cook, baker,	9	9	—
Leon E. Bruce, assistant baker,	3	5	4
George W. Thornily, florist,	15	7	11
Waverly D. Packard, engineer,	1	5	13
Leroy Kellogg, assistant engineer,	4	7	6
Thomas Butterworth, assistant engineer,	1	—	17
William C. Day, assistant engineer,	17	7	29
Frank Keyes, assistant engineer,	2	11	25
Gottlieb Beer, fireman,	1	—	12
Earl Kron, fireman,	1	5	8
Francis Pond, fireman,	—	4	5
Helfrid N. Fiske, seamstress,	2	10	19
Lillian Dean, assistant seamstress,	—	7	1
Susan E. Norton, assistant seamstress,	—	7	29
Jennie Ryan, assistant seamstress,	—	7	5
Charles E. Williams, laundryman,	11	2	29
Margaret Sweeney, laundress,	3	9	27
Ellen Moore, laundress,	2	5	2
Martha C. Greene, laundress,	—	10	2
Katherine McGrath, laundress,	—	5	17
Alma M. Bugbee, usher,	—	9	26
Louise Littlefield, usher,	—	1	25
Jennie M. Calder, cook,	—	—	22
Anna Deplidge, cook,	—	7	17
Harriet Briggs, rear housework,	7	3	22

NAMES.	Years.	Months.	Days.
Katherine C. Hall, center housework,	1	5	28
Gladys Durkee, center housework,	-	6	19
Rhoda French, dining room,	1	2	12
Lillian Ellsworth, center dining room,	3	11	11
Mary E. Shea, center dining room,	1	6	3
Nellie McGrath, kitchen,	1	7	-
Lizzie McNally, kitchen,	-	2	2
Anna Thomas, kitchen,	-	2	6
Helen Flaherty, kitchen,	-	1	2
Lillian Cronje, kitchen,	-	-	18
James Ruddy, kitchen,	1	1	26
Harry W. Love, watchman,	4	11	22
Arthur C. Allard, nurse,	-	1	16
Richard Austin, nurse,	-	2	6
Alexander Beaton, nurse,	3	4	14
George Begor, nurse,	1	7	2
John L. Benson, nurse,	-	1	29
John J. Bradley, nurse,	-	6	18
Henry Burley, nurse,	-	-	12
Herbert Collier, nurse,	1	1	5
Robert Courtney, nurse,	-	7	27
David DeLong, nurse,	-	-	21
Bertram H. Freeman, nurse,	-	2	17
Allison George, nurse,	-	1	6
Noah Haskell, nurse,	1	6	-
George M. Hathaway, nurse,	-	1	7
Arthur Joslyn, nurse,	2	1	27
Chester Kenney, nurse,	-	3	12
Josiah Littlefield, nurse,	-	1	26
Martin Luther, nurse,	-	-	15
James Moore, nurse,	1	1	27
Charles Pease, nurse,	2	6	6
Charles Percy, nurse,	-	11	15
Joseph Prokop, nurse,	-	5	-
Charles Rathburn, nurse,	4	-	-
George Smith, nurse,	1	4	21
James Sullivan, nurse,	-	10	9
Renold A. Tier, nurse,	-	3	14
Albert C. Warren, nurse,	-	6	24
Harry Webb, nurse,	-	1	19
Pearl I. Wiley, nurse,	-	1	8
Frank M. Wilson, nurse,	1	2	3
Goldie Bickford, nurse,	-	2	-
Corinnie Blodgett, nurse,	3	5	25
Annie Boothe, nurse,	-	2	22
Lillian Brown, nurse,	3	9	5
Minnie B. Carey, nurse,	-	-	6
Adeline Corbett, nurse,	-	-	8
Mabel Dean, nurse,	1	6	7
Lulu Drew, nurse,	1	2	12
Isobell Ferguson, nurse,	-	3	27

NAMES.	Years.	Months.	Days.
Elizabeth Graham, nurse,	4	—	10
Mary G. Herbert, nurse,	—	—	1
Annette Hurd, nurse,	—	4	21
Elizabeth James, nurse,	2	5	11
Mabel James, nurse,	2	6	22
Margaret Kelly, nurse,	—	7	—
Helen Kruser, nurse,	—	4	2
Clara LaDue, nurse,	3	10	4
Effie Mahy, nurse,	4	4	24
Evelyn May Manning, nurse,	—	4	—
Margaret Pease, nurse,	3	5	19
Lillian M. Purcy, nurse,	1	7	23
Jennie Rogers, nurse,	—	3	29
Pearl Simmons, nurse,	2	1	16
Annie Smith, nurse,	1	11	—
Blanche Smith, nurse,	1	2	—
Florence Stevens, nurse,	—	1	29
Emily W. Stewart, nurse,	4	—	2
Elizabeth Tremblay, nurse,	—	11	15
Alice Ward, nurse,	—	8	25
Niola Watson, nurse,	2	5	19
Phœbe Wheeler, nurse,	2	10	20
Annie Wilson, nurse,	1	7	4
Amy Yeo, nurse,	2	1	16
Albert C. Burnett, painter,	2	6	28
Thomas P. Clair, plumber,	10	7	—
Albert DeGrandpre, carpenter,	3	10	—
Henry Maynard, carpenter,	—	5	22
Alfred Parenteau, painter,	41	3	17
Martin L. Sornborger, plumber,	5	—	6
Roscoe Tobin, plumber,	6	—	28
Walter M. Tower, carpenter,	29	10	—
Cornelius Barry, farmer,	1	8	—
Orrin Blodgett, farmer,	2	4	8
C. H. Buckwold, farmer,	—	1	11
James Denny, farmer,	—	1	24
Xavier Dion, farmer,	15	5	16
Thomas Drozdial, farmer,	4	—	—
Henry L. Fuller, farmer,	7	9	2
Nicholas Krajnyak, farmer,	3	7	11
B. McNamara, farmer,	10	7	8
Fred Sanborn, farmer,	1	6	22
Thomas Fagan, farmer,	—	8	—
J. F. Finn, farmer,	—	8	—
Joe Funne, farmer,	—	7	23
Henry McCoy, farmer,	1	8	10
Joseph Young, farmer,	3	8	2
Walter C. Streeter, herdsman,	5	3	1
David Mercier, coachman,	31	9	13
H. Ohrstrom, gardener,	2	5	25
Alex G. Wylie, gardener,	3	11	27

LIST OF PERSONS REGULARLY EMPLOYED AT THE NORTHAMPTON STATE HOSPITAL.

Superintendent and physician (per year),	\$3,000 00
Assistant physician (per year),	1,300 00
Assistant physician (per year),	1,100 00
Assistant physician (per year),	1,000 00
Assistant physician (per year),	900 00
Treasurer and clerk (per year),	1,800 00
Engineer, with house rent (per year),	1,100 00
Farmer, with house rent (per year),	1,000 00
Florist, without board (per year),	700 00
Matron (per month),	40 00
Superintendent of nurses (per month),	50 00
Assistant superintendent of nurses (per month),	40 00
Secretary to superintendent (per month),	40 00
Stenographer (per month),	30 00
Seamstress (per month),	25 00
Assistant seamstresses (3) (per month),	18 00
Laundryman (per month),	50 00
Laundresses (4) (per month),	\$18 00 to 22 00
Baker (per month),	55 00
Assistant baker (per month),	40 00
Steward, with partial board (per month),	60 00
Assistant steward (per month),	40 00
Assistant steward (per month),	40 00
Nurses (men, 30) (per month),	\$25 00 to 35 00
Nurses (women, 33) (per month),	19 00 to 30 00
Ushers (2) (per month),	17 00 to 18 00
Housemaids (3) (per month),	17 00 to 18 00
Waitresses (3) (per month),	18 00
Cooks (2) (per month),	\$25 00 to 30 00
Kitchen girls (5) (per month),	16 00 to 18 00

Clothes marker (per month),	\$25 00
Painter (per month),	60 00
Painter (per month),	50 00
Assistant engineers (4) (per month),	\$37 00 to 60 00
Fireman (3) (per month),	33 00 to 37 00
Coachman (per month),	42 50
Farm laborers (10) (per month),	\$25 00 to 33 00
Farm laborers (5) (per day),	1 75
Herdsmen (per month),	35 00
Gardeners (2) (per month),	\$50 00 to 55 00
Watchman (per month),	40 00
Kitchen helper (per month),	28 00
Carpenter (per day),	2 75
Carpenter (per day),	2 75
Carpenter (per day),	2 00
Plumber (per year),	1,000 00
Plumber (per month),	45 00
Plumber (per day),	2 25

FARM PRODUCTS.

Apples, 200 barrels,	\$600 00
Asparagus, 30 bushels,	127 50
Beans, lima, improved, 182 bushels,	273 00
Beans, shell, 78 bushels,	97 50
Beans, wax string, 120 bushels,	150 00
Beans, green string, 64 bushels,	80 00
Beef, cow, 14,933 pounds,	895 98
Beef, steer, 12,651 pounds,	1,012 08
Beets, greens, 93 bushels,	32 55
Beets, table, 349 bushels,	174 50
Broom brush, 2,000 pounds,	120 00
Broom brush seed, 1,200 pounds,	60 00
Cabbage, 10,816 heads,	540 80
Carrots, 421 bushels,	252 60
Cauliflower, 450 heads,	45 00
Celery, 100 dozen bunches,	85 00
Cherries, 295 quarts,	36 87
Chickens, broilers, 260 pounds,	65 00
Chickens, roasters, 840 pounds,	184 80
Cider, 236 gallons,	28 60
Corn fodder, 125 tons,	625 00
Corn, green, 695 bushels,	521 25
Corn, shelled, 481 bushels,	384 80
Corn, pop, 31 bushels,	62 00
Cucumbers, 188 bushels,	376 00
Cucumbers, pickles, 48 bushels,	76 80
Currants, 42 quarts,	4 62
Eggs, 850 dozen,	297 00
Ensilage, 625 tons,	3,125 00
Fowl, 405 pounds,	60 75
Gooseberries, 10 quarts,	1 10
Grapes, 277 pounds,	8 31
Hay, first growth, 307 tons,	5,526 00
Hay, second growth, 66 tons,	790 45
Hay, bedding, 5 tons,	40 00
Ice, 600 tons,	1,800 00

Amount carried forward, \$18,560 86

<i>Amount brought forward,</i>				\$18,560 86
Lettuce, 215½ bushels,				215 50
Lumber, 40,014 feet,				1,400 49
Manure, 28½ cords,				170 90
Melons, musk, 164 crates,				287 00
Melons, water, 7¾ hundred,				116 25
Milk, 267,836 quarts,				13,391 80
Onions, 308½ bushels,				262 23
Oats, green fodder, 10 tons,				50 00
Oats, straw, 2 tons,				20 00
Oats, 100 bushels,				55 00
Parsley, 14 bushels,				7 00
Parsnips 375 bushels,				281 25
Pears, 9½ bushels,				16 63
Pease, 157 bushels,				157 00
Peppers, 3½ bushels,				2 63
Pigs, roast, 3,				9 00
Plums, 3 baskets,				90
Pork, 30,154 pounds,				2,412 32
Posts, fence, 526,				131 50
Potatoes, 529 bushels,				423 20
Potatoes, small, 267 bushels,				53 40
Pumpkins, 6,262 pounds,				187 86
Quince, ½ bushel,				1 00
Raspberries, 159 quarts,				15 90
Radishes, 337 dozen bunches,				168 50
Rhubarb, 10,330 pounds,				206 60
Rye straw, 8 tons,				120 00
Rye, green fodder, 7 tons,				35 00
Rye, 80 bushels,				64 00
Spinach, 617 bushels,				246 80
Squash, summer, 64 barrels,				64 00
Squash, winter, 411 barrels,				616 50
Strawberries, 1,908 quarts,				152 64
Tomatoes, ripe, 389 bushels,				291 75
Tomatoes, green, 53 bushels,				26 00
Turnips, 300 barrels,				375 00
Veal, 750 pounds,				82 50
Wood, 198 cords,				888 75
				<hr/>
				\$41,567 66
Sales: —				
Calves, 32,				\$312 50
Cabbage, 409 heads,				20 45
				<hr/>
<i>Amounts carried forward,</i>				\$332 95
				<hr/>
				\$41,567 66

<i>Amounts brought forward,</i>	.	.	.	\$332 95	\$41,567 66
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Chickens, 10 pounds,	2 50
Eggs, 10 dozen,	4 00
Hay, 4,955 pounds,	49 55
Hides,	398 20
Horse, 1,	150 00
Manure, 3 cords,	.	.	.	.	9 10
Pigs,	5 00
Wood,	33 75
Miscellaneous,	76 30
					<hr/>
					1,061 35

Total farm products,	\$42,629 01
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Live stock belonging to the hospital:—

Bulls, 3,	\$300 00
Calves, 4,	140 00
Colts, 3,	250 00
Cows, 70,	.	.	.	.	.	5,920 00
Fowls, 250,	.	.	.	.	.	187 50
Heifers, 36,	.	.	.	.	.	1,170 00
Hogs, 205,	.	.	.	.	.	1,956 00
Horses, 13,	.	.	.	.	.	2,550 00
Oxen, 20,	.	.	.	.	.	1,500 00
						<hr/>
Total live stock,	.	.	.	.	.	\$13,973 50

VALUATION.

REAL ESTATE.

Five hundred and eleven acres of land (cultivated 210, wood-land, 92; pasturage, 185; grounds, 23),	\$56,900 00
Hospital building,	616,619 86
Farmhouse,	1,500 00
Brick house,	1,700 00
Six dwellings,	5,500 00
Storehouse, shops and cold storage,	30,000 00
Two barns,	5,000 00
Cow stable,	13,000 00
Horse stable,	6,000 00
Piggery,	3,000 00
Lumber shed,	850 00
Cart shed,	400 00
Pump house,	400 00
Ice house,	300 00
Paint shop,	2,039 80
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Total real estate,	\$743,209 66

PERSONAL ESTATE.

Inventory of stock and supplies on hand Nov. 30, 1908: —

Live stock on farm,	\$13,973 50
Produce of farm on hand,	13,497 64
Carriages and agricultural implements,	6,115 00
Machinery and mechanical fixtures,	21,750 00
Beds and bedding in inmates' department,	16,000 00
Other furnishings in inmates' department,	10,800 00
Personal property of State in superintendent's department,	10,000 00
Ready-made clothing,	2,209 96
Dry goods,	1,796 46
Provisions and groceries,	6,972 52
Drugs and medicines,	600 00
Fuel,	3,568 40
Library,	1,250 00
All other property,	2,799 80
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Total personal estate,	\$111,333 28
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TREASURER'S REPORT.

To the Trustees of the Northampton State Hospital.

I herewith submit a report of the finances of the Northampton State Hospital for the fiscal year ending Nov. 30, 1908.

RECEIPTS.

Received for support of patients, viz.:—

From individuals,	\$33,258 30
From reimbursements :—	
At institution,	\$11,232 70
By State Board of Insanity,	187 32
	<hr/> 11,420 02
From soldiers' relief,	169 92
Miscellaneous, interest on bank balance,	116 69

Sales from purchases and products:—

Salaries, wages and labor,	\$6 98
Provisions and groceries,	108 86
Clothing and clothing material,	189 86
Furnishings,	10 47
Repairs and improvements,	1 82
Farm, stable and grounds,	1,061 35
Miscellaneous,	141 59
	<hr/> 1,520 93
	<hr/> \$46,485 86

Receipts from State Treasurer:—

Account current expense, appropriation 1907,	\$13,571 66
Account current expense, appropriation 1908,	148,961 20
Account special appropriations,	16,944 23
Rebate, patient's board,	23 15
Cash advance,	2,000 00
	<hr/> 181,500 24
	<hr/> \$227,986 10
Total receipts,	

PAYMENTS.

For salaries, wages and miscellaneous bills due Nov. 30, 1907,
 paid from current expense appropriation of 1907, . . . \$13,571 66

Current expenses for fiscal year ending Nov. 30, 1908: —

Salaries, wages and labor: —

Medical service,	\$7,949 98	
Ward service, male,	11,522 11	
Ward service, female,	11,488 78	
General administration,	16,590 81	
Repairs and improvements,	5,491 88	
Farm, stable and grounds,	10,328 76	
		<hr/> \$63,372 32

Food: —

Butter,	\$7,053 32	
Butterine,	91 72	
Beans,	457 45	
Bread and crackers,	532 71	
Cereals, rice, meal, etc.,	1,373 73	
Cheese,	278 98	
Eggs,	5,534 01	
Flour,	4,410 55	
Fish,	2,235 77	
Dried and fresh fruit,	1,926 08	
Meats,	7,727 52	
Milk,	196 00	
Molasses and syrup,	466 56	
Sugar,	3,458 99	
Tea, coffee, cocoa, etc.,	1,516 26	
Vegetables,	2,511 88	
Yeast,	211 25	
Salt,	75 40	
Lard,	525 01	
Sundries,	741 55	
		<hr/> 41,324 74

Clothing and clothing material: —

Boots, shoes and rubbers,	\$1,110 57	
Clothing,	1,982 48	
Dry goods for clothing, and small wares,	1,376 48	
Furnishing goods,	416 84	
Hats and caps,	57 58	
Sundries,	61 92	
		<hr/> 5,005 87

<i>Amounts carried forward,</i>	\$109,702 93	\$13,571 66
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Amounts brought forward,

. \$109,702 93 \$13,571 66

Furnishings:—

Beds, bedding, table linen, etc.,	\$3,986 83
Brushes, brooms, etc.,	92 53
Carpets, rugs, etc.,	688 62
Crockery, glassware, cutlery, etc.,	610 77
Furniture and upholstery,	651 92
Sundries,	74 65

6,105 32

Heat, light and power:—

Coal,	\$7,761 66
Wood (charcoal),	162 50
Electricity,	22 08
Gas,	114 92
Oil,	149 54
Sundries,	155 56

8,366 26

Repairs and improvements:—

Cement, lime and plaster,	\$81 85
Doors, sashes, etc.,	40 00
Electrical work and supplies,	584 06
Hardware, iron, steel, etc.,	1,008 30
Lumber,	1,231 85
Machinery, etc.,	21 05
Paints, oils, glass, etc.,	1,190 22
Plumbing, steam fitting and supplies,	1,178 32
Roofing and materials,	24 40
Mechanics and laborers (not on pay roll),	433 41
Cold storage,	280 81
Sundries,	60 76

6,135 03

Farm, stable and grounds:—

Blacksmith and supplies,	\$504 18
Carriages, wagons, etc., and repairs,	494 49
Fertilizers, vines, seeds, etc.,	1,956 49
Hay, grain, etc.,	8,798 71
Harnesses and repairs,	184 30
Horses,	125 00
Cows,	1,575 92
Other live stock,	2,479 62
Labor (not on pay roll),	165 30
Rent,	50 00

Amounts carried forward,

\$16,334 01 \$130,309 54 \$13,571 66

<i>Amounts brought forward,</i>	\$16,334 01	\$130,309 54	\$13,571 66
Tools, farm machines, etc.,	573 18		
Sundries,	423 39		
	<hr/>	17,330 58	
Miscellaneous: —			
Books, periodicals, etc.,	\$199 34		
Chapel services and entertainments,	812 00		
Freight, expressage and transportation,	390 91		
Funeral expenses,	60 00		
Ice,	39 00		
Labor (not on pay roll),	156 00		
Medicines and hospital supplies,	1,621 77		
Patients boarded in private families,	671 72		
Medical attendance, nurses, etc., extra,	36 00		
Postage,	261 30		
Printing and printing supplies,	262 05		
Return of runaways,	111 51		
Soap and laundry supplies,	1,137 20		
Stationery and office supplies,	311 91		
Travel and expenses (officials),	624 06		
Telephone and telegraph,	135 82		
Tobacco,	831 74		
Water,	3,058 63		
Printing annual report,	152 11		
Sundries,	486 81		
	<hr/>	11,359 88	
Total current expenses,	\$159,000 00		
Less schedule of salaries and wages and miscellaneous bills for November, 1908, approved but unpaid and included in the foregoing itemized statement of current expenses,		10,038 80	
		<hr/>	148,961 20
For payments to the Treasurer of the Commonwealth, account income: —			
By the institution,	\$46,298 54		
By Board of Insanity,	187 32		
	<hr/>	46,485 86	
For rebate prepaid Board,		23 15	
For account special appropriations,		16,944 23	
For cash advance,		2,000 00	
		<hr/>	
Total payments,		\$227,986 10	

SUMMARY.

Total receipts,	\$227,986 10
Total payments,	227,986 10

RESOURCES AND LIABILITIES.

Resources.

Balance of maintenance appropriation with	
State Treasurer,	\$10,038 80
Unexpended special appropriations,	3,570 83
	<hr/>
	\$13,609 63

Liabilities.

On account of maintenance:—

Salaries and wages,	\$5,244 12
Food,	1,608 95
Clothing and clothing material,	506 64
Furnishings,	134 87
Heat, light and power,	73 35
Repairs and improvements,	286 41
Farm, stable and grounds,	1,482 02
Miscellaneous,	702 44
	<hr/>
	\$10,038 80

On account of special appropriations:—

Bills due on account of special appropriation,	65 20
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Total liabilities,	<hr/>
	10,104 00

Balance for the institution :—

On account of special appropriation,	\$3,505 63
Current expenses,	\$159,000 00
Average number of patients,	802
Average weekly cost,	\$3 79

STATEMENT OF FUNDS.

Patients' Funds.

Balance on hand March 16, 1908,	\$1,372 61
Receipts,	920 35
	<hr/>
Refunded,	967 65
	<hr/>
Balance on hand Nov. 30, 1908,	\$1,325 31

Fred B. Kelly Fund.

On hand Dec. 1, 1907,	\$606 18
Income,	22 93

Balance on hand Nov. 30, 1908,	\$629 11
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Respectfully submitted,

LEWIS F. BABBITT,

Treasurer.

Special Appropriations for the Year ending Nov. 30, 1908.

OBJECT.	Resolve.	Whole Amount.	Expended during Year.	Expended to Date.	Reverting.	Balance.
Furnishing men's infirmary, . . .	Chap. 323, Acts 1904	\$6,500 00	\$387 50	\$6,495 23	\$4 77	-
Purchase and installation of telephones and clocks	Chap. 57, Acts 1904	1,800 00	-	1,531 25	268 75	-
Purchase of land and buildings, . .	Chap. 61, Acts 1905	5,500 00	450 00	5,500 00	-	-
Construction of hothouse, . . .	Chap. 71, Acts 1905	1,500 00	300 00	1,500 00	-	-
Installation of better water supply, .	Chap. 500, Acts 1906	17,500 00	10,836 24	16,619 88	-	\$880 12
Paint house and work shop, . . .	Chap. 500, Acts 1906	2,500 00	2,365 55	2,365 55	-	134 45
Purchase of plumbing fixtures, . . .	Chap. 92, Acts 1907	2,000 00	350 42	499 40	-	1,500 60
Putting electric lights along driveway, .	Chap. 92, Acts 1907	1,200 00	85 22	1,118 44	-	81 56
Machinery for bakery, . . .	Chap. 92, Acts 1907	1,000 00	69 30	725 90	-	274 10
Construction of hothouse, . . .	Chap. 92, Acts 1907	2,100 00	2,100 00	2,100 00	-	-
Lumber to construct ice house, . . .	Chap. 92, Acts 1907	700 00	-	-	-	700 00
		\$42,300 00	\$16,944 23	\$38,455 65	\$273 52	\$3,570 83

STATISTICAL TABLES.

[FORM PRESCRIBED BY STATE BOARD OF INSANITY.]

1. — General Statistics for the Year.

	INSANE.			NOT INSANE, VOLUNTARY.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1907,	361	364	725	-	1	1	361	365	726
Admitted within the year,	184	183	367	3	2	5	187	185	372
Viz.: by commitment,	158	163	321	-	-	-	158	163	321
voluntary,	-	1	1	3	2	5	3	3	6
by transfer,	2	2	4	-	-	-	2	2	4
from escape,	5	-	5	-	-	-	5	-	5
from visit,	3	2	5	-	-	-	3	2	5
nominally admitted from visit for discharge,	16	15	31	-	-	-	16	15	31
Whole number of cases within the year,	545	547	1,092	3	3	6	548	550	1,098
Dismissed within the year,	115	151	266	2	1	3	117	152	269
Viz.: Discharged,	54	54	108	2	1	3	56	55	111
as recovered,	16	16	32	-	-	-	16	16	32
as capable of self-support,	17	7	24	-	-	-	17	7	24
as improved,	10	22	32	-	-	-	10	22	32
as not improved,	10	9	19	-	-	-	10	9	19
as not insane,	1	-	1	2	1	3	3	1	4
died,	43	48	91	-	-	-	43	48	91
transferred,	-	32	32	-	-	-	-	32	32
escaped,	7	1	8	-	-	-	7	-	8
on visit Oct. 1,	11	16	27	-	-	-	11	16	27
Patients remaining Sept. 30, 1908,	430	396	826	1	2	3	431	398	829
Viz.: supported as State patients,	344	287	631	1	2	3	345	289	634
as private patients,	44	68	112	-	-	-	44	68	112
as reimbursing patients,	42	41	83	-	-	-	42	41	83
Number of different persons within the year,	527	531	1,058	3	3	6	528	534	1,062
Number of different persons admitted,	167	167	334	3	2	5	168	169	337
Number of different persons admitted by commitment,	157	163	320	3	2	5	158	165	323
Number of different persons dismissed,	99	136	235	2	1	3	100	137	237
Number of different persons recovered,	16	16	32	-	-	-	16	16	32
Number of different persons discharged as capable of self-support,	17	7	24	-	-	-	17	7	24
Daily average number of patients,	393.35	395.04	788.39	-	-	-	393.35	395.04	788.39
Viz.: State patients,	313.40	288.98	602.38	-	-	-	313.40	288.98	602.38
private patients,	44.8	71.04	115.84	-	-	-	44.8	71.04	115.84
reimbursing patients,	35.15	35.02	70.17	-	-	-	35.15	35.02	70.17

¹ Committed as insane were also not insane, voluntary.

² Dismissed not insane was also dismissed insane.

2. — *Insane received on First and Subsequent Commitments.*

NUMBER OF COMMITMENTS.	CASES COMMITTED.		
	Males.	Females.	Totals.
First to this hospital,	134	131	265
Second to this hospital,	18	26	44
Third to this hospital,	3	2	5
Fourth to this hospital,	-	2	2
Fifth to this hospital,	-	2	2
Sixth to this hospital,	1	1	2
Seventh to this hospital,	1	-	1
Eighth to this hospital,	1	-	1
Total cases,	158	164	322
Total persons,	157	163	320
Never before in any hospital for insane,	127	124	251

3. — *Nativity and Parentage of Insane Persons first admitted to Any Hospital.*

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.
Massachusetts,	61	20	30	37	19	21	98	48	51
Other New England States,	12	11	11	16	6	5	22	17	16
Other States,	9	11	4	22	15	13	31	26	17
Total native,	82	51	45	69	40	39	151	91	84
Other countries: —									
Austria,	2	2	2	2	2	2	4	4	4
Bulgaria,	-	-	-	-	1	1	-	1	1
Canada,	11	14	16	11	11	11	22	25	27
England,	3	5	6	6	7	7	9	12	13
France,	-	1	-	1	1	1	1	2	1
Germany,	4	8	7	2	3	2	6	11	9
Holland,	-	-	-	1	1	1	1	1	1
Ireland,	16	36	41	28	47	45	44	83	86
Italy,	2	2	2	-	-	-	2	2	2
Poland,	1	1	1	1	1	1	2	2	2
Russia,	2	2	2	1	1	1	3	3	3
Scotland,	2	2	2	2	2	5	4	4	7
Spain,	1	1	1	-	-	-	1	1	1
Sweden,	1	1	1	-	1	1	1	2	2
Switzerland,	-	-	-	-	1	1	-	1	1
Total foreign,	45	75	81	55	79	79	100	154	160
Unknown,	-	1	1	-	5	6	-	6	7
Totals,	127	127	127	124	124	124	251	251	251

4. — *Residence of Insane Persons admitted by Commitment.*

PLACES.	FIRST ADMITTED TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Hampshire County,	24	25	49	3	7	10	27	32	59
Hampden County,	57	56	113	11	18	29	68	74	142
Franklin County,	16	9	25	5	5	10	21	14	35
Berkshire County,	30	34	64	11	8	19	41	42	83
Suffolk County,	—	—	—	—	1	1	—	1	1
Totals,	127	124	251	30	39	69	157	163	320
Unknown,	—	—	—	—	—	—	—	—	—
Totals,	127	124	251	30	39	69	157	163	320
Cities and towns,	82	88	170	19	31	50	101	119	220
Country districts,	45	36	81	11	8	19	56	44	100
Totals,	127	124	251	30	39	69	157	163	320

5. — *Civil Condition of Insane Persons first admitted to Any Hospital.*

	Males.	Females.	Totals.
Unmarried,	59	46	105
Married,	43	49	92
Widowed,	23	26	49
Divorced,	2	3	5
Unknown,	—	—	—
Totals,	127	124	251

6. — *Occupation of Insane Persons first admitted to Any Hospital.*

MALES.	
Baker, 1	Meat cutter, 1
Barber, 1	Merchant, 1
Basket maker, 1	Operatives, 19
Bookkeeper, 1	Painters, 2
Bricklayers, 2	Physician, 1
Carpenters, 5	Printers, 2
Carriage painter, 1	Railroad engineer, 1
Cigar maker, 1	Shoemakers, 4
Coachman, 1	Stationary firemen, 2
Druggist, 1	Students, 2
Engineer, 1	Tailors, 2
Farmers, 12	Teamsters, 2
Farm laborers, 10	Time keeper, 1
Grocer, 1	Watchman, 1
Iron worker, 1	Whip makers, 2
Laborers, 26	No occupation, 10
Leather worker, 1	
Machinists, 6	Total, 127
Manufacturer, 1	
FEMALES.	
Bookkeepers, 3	Operatives, 16
Clerks, 3	Rag sorter, 1
Cooks, 2	Students, 5
Domestics, 13	Teacher, 1
Housekeepers, 11	No occupation, 21
Laundresses, 2	
Music teacher, 1	Total, 80
Nurse, 1	

6. --- *Occupation of Insane Persons first admitted to Any Hospital —*
Concluded.

WIFE OF —	
Blacksmith, 1	Laborer, 13
Brakeman, 1	Operative, 5
Carpenter, 2	Physician, 1
Clerk, 2	Plumber, 1
Collector, 1	Saloon keeper, 1
Designer, 1	Shoemaker, 1
Engineer, 1	Steamfitter, 1
Farmer, 6	Teamster, 1
Gardener, 1	Waiter, 1
Hack driver, 1	
Machinist, 1	Total, 44
Merchant, 1	

7. — *Ages of Insane at First Attack, Admission and Death.*

AGES.	FIRST ADMITTED TO ANY HOSPITAL.						DIED.					
	AT FIRST ATTACK.			WHEN ADMITTED.			AT FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	22	9	31	-	-	-	3	3	6	-	-	-
15 years and less,	1	2	3	-	2	2	1	2	3	-	1	1
From 15 to 20 years,	5	6	11	7	6	13	-	-	-	1	1	1
20 to 25 years,	7	8	15	10	7	17	-	-	-	1	1	2
25 to 30 years,	7	12	19	7	11	18	2	2	4	1	1	2
30 to 35 years,	14	14	28	19	15	34	1	5	6	3	2	5
35 to 40 years,	11	11	22	15	12	27	6	1	7	2	3	5
40 to 50 years,	22	25	47	28	22	50	3	6	9	4	5	9
50 to 60 years,	9	8	17	10	19	29	7	4	11	2	5	7
60 to 70 years,	9	16	25	9	15	24	4	11	15	9	9	18
70 to 80 years,	16	7	23	16	13	29	10	7	17	12	14	26
Over 80 years,	3	2	5	5	2	7	4	1	5	8	7	15
Totals,	126	120	246	126	124	250	41	43	84	43	48	91
Not insane,	1	-	1	1	-	1	-	-	-	-	-	-
Unknown,	-	4	4	-	-	-	2	5	7	-	-	-
Totals,	127	124	251	127	124	251	43	48	91	43	48	91
Mean known ages (in years),	44.4	42.6	43.5	44.8	45.4	45.1	58.1	52.2	55.1	62.4	60.9	61.6

9. — Probable Duration of Mental Disease before Admission.

PREVIOUS DURATION.	FIRST ADMITTED TO ANY HOSPITAL.		
	Males.	Females.	Totals.
Congenital,	22	9	31
Under 1 month,	27	10	37
From 1 to 3 months,	23	20	43
3 to 6 months,	13	11	24
6 to 12 months,	10	13	23
1 to 2 years,	14	10	24
2 to 5 years,	12	27	39
5 to 10 years,	3	14	17
10 to 20 years,	2	4	6
Over 20 years,	—	2	2
Totals,	126	120	246
Not insane,	1	—	1
Unknown,	—	4	4
Totals,	127	124	251
Average known duration (in years),	.97	2.4	1.7

10. — Form of Mental Disease in Patients committed or discharged, with Condition on Discharge, or died.

FORM OF DISEASE.	COMMITTED.			DISCHARGED.												DIED.			TOTAL DISCHARGES AND DEATHS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	Males.	Females.	Totals.	RECOVERED.		CAPABLE OF SELF-SUPPORT.		IMPROVED.		NOT IMPROVED.		NOT INSANE.		Males.	Females.	Totals.	Males.	Females.	Totals.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.

11. — Discharges of the Insane, classified by Admissions and Results, and Deaths.

NUMBER OF ADMISSIONS.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital,	15	13	28	14	5	19	10	18	28	9	7	16	1	—	1	36	42	78	85	85	170
Second to this hospital,	1	1	2	1	1	2	—	4	4	1	2	3	—	—	—	6	6	12	9	14	23
Third to this hospital,	—	—	—	1	1	2	—	—	—	—	—	—	—	—	—	1	—	1	2	1	3
Fourth to this hospital,	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1	1
Fifth to this hospital,	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Sixth to this hospital,	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Total cases,	16	16	32	17	7	24	10	22	32	10	9	19	1	—	1	43	48	91	97	102	199
Total persons,	16	16	32	17	7	24	10	22	32	10	9	19	1	—	1	43	48	91	97	102	199
First admitted to any hospital,	15	13	28	12	4	16	9	17	26	8	6	14	1	—	1	34	41	75	79	81	160

12. — Causes of Death and Form of Mental Disease in Persons who died.

	ACUTE ALCOHOLIC INSANITY.			CHRONIC ALCOHOLIC INSANITY.			DEMENTIA PRÆCOX.			EPILEPSY.			HUNTING-TON'S CHOREA.			INVOLUTION PSYCHOSIS.			MANIC DEPRESSIVE.			MENTAL DEFICIENCY.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General diseases : —																								
Carcinoma																								
Chronic mercurial poisoning,																								
Erysipelas,																								
Exhaustion from acute mania,																								
Exophthalmic goiter,																								
Fracture of hip,																								
Gangrene of foot,																								
General tuberculosis,																								
Intestinal tuberculosis,																								
Lead poisoning,	1		1																					
Senility,																								
Septicæmia,																								
Diseases of the nervous system : —																								
Epilepsy,																								
General paralysis of the Insane,																								
Huntington's chorea,																								
Diseases of the circulatory system : —																								
Cerebral embolism,																								
Cerebral hemorrhage,																								
Endocarditis,				1		1																		
Mycocarditis,																								
Diseases of the respiratory system : —																								
Broncho-pneumonia,																								
Lobar pneumonia,																								
Pleurisy,																								
Pulmonary tuberculosis,																								
Diseases of the digestive system : —																								
Acute enteritis,																								
Gastric ulcer,																								
Suicide by hanging,																								
Suicide by drowning,																								
Totals,	—	1	1	1	—	1	1	1	2	3	4	7	1	—	1	—	2	2	—	4	4	2	1	3

12. — Causes of Death and Form of Mental Disease in Persons who died — Concluded.

	ORGANIC DEMENTIA.			PARANOIA			PARESIS.			SECONDARY DEMENTIA.			SENILE DEMENTIA.			TOXIC INSANITY.			MORPHINISM.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General diseases: —																								
Carcinoma,																						1	1	1
Chronic mercurial poisoning,																						1	1	1
Erysipelas,																						1	1	1
Exhaustion from acute mania,																						1	1	1
Exophthalmic goiter,																						1	1	1
Fracture of hip,																						1	1	1
Gangrene of foot,																						1	1	1
General tuberculosis,																						1	1	1
Intestinal tuberculosis,																						1	1	1
Lead poisoning,																						1	1	1
Senility,																						1	1	1
Septicæmia,																						1	1	1
Diseases of the nervous system: —																						19	8	27
Epilepsy,																						1	3	4
General paralysis of the insane,							4	5	9													1	3	4
Huntington's chorea,																						4	5	9
Diseases of the circulatory system: —																						1	1	1
Cerebral embolism,																						1	11	12
Cerebral hemorrhage,	1	5	6																			4	2	6
Endocarditis,							1	1	2													2	4	6
Myocarditis,																						2	2	4
Diseases of the respiratory system: —																						1	2	3
Broncho-pneumonia,																						1	1	2
Lobar pneumonia,																						1	1	2
Pleurisy,																						2	2	4
Pulmonary tuberculosis,																						1	1	2
Diseases of the digestive system: —																						1	1	2
Acute enteritis,																						1	1	2
Gastric ulcer,																						1	1	2
Suicide by hanging,																						1	1	2
Suicide by drowning,																						1	1	2
Totals,	1	5	6	1	—	1	4	6	10	2	2	4	27	22	49	1	—	1	1	—	—	43	48	91

[illegible]

FIFTY-FOURTH ANNUAL REPORT
OF
THE TRUSTEES
OF THE
NORTHAMPTON STATE HOSPITAL,
FOR THE
YEAR ENDING NOVEMBER 30, 1909.



BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.
1910.

FIFTY-FOURTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON STATE HOSPITAL, *(income)*

FOR THE

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BOSTON:

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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

ALVAN BARRUS, <i>Chairman</i> ,	GOSHEN.
SARAH A. WOODWORTH,	.	.	.	.	.	CHICOPEE.
CAROLINE A. YALE,	.	.	.	.	.	NORTHAMPTON.
F. W. CHAPIN, M.D.,	.	.	.	.	.	SPRINGFIELD.
JOHN McQUAID,	.	.	.	.	.	PITTSFIELD.
HENRY L. WILLIAMS, <i>Secretary</i>,	.	.	.	.	.	NORTHAMPTON.
CHARLES S. SHATTUCK,	.	.	.	.	.	HATFIELD.

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,	.	.	.	.	.	<i>Superintendent.</i>
CHARLES H. DEAN, M.D.,	.	.	.	.	.	<i>Assistant Physician.</i>
HARRIET M. WILEY, M.D.,	.	.	.	.	.	<i>Assistant Physician.</i>
EDWARD W. WHITNEY, M.D.,	.	.	.	.	.	<i>Assistant Physician.</i>
C. STANLEY RAYMOND, M.D.,	.	.	.	.	.	<i>Assistant Physician.</i>
MABEL C. CRUTTENDEN, M.D.,	.	.	.	.	.	<i>Assistant Physician.</i>
LEWIS F. BABBITT,	.	.	.	.	.	<i>Clerk.</i>
WAVERLEY D. PACKARD,	.	.	.	.	.	<i>Engineer.</i>
SUSAN E. WARREN,	<i>Matron.</i>
JOSEPH G. COOK,	<i>Farmer.</i>

TREASURER.

LEWIS F. BABBITT,	NORTHAMPTON.
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Office at the Hospital.

The Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital respectfully submit their fifty-fourth annual report.

The fiscal year ending Nov. 30, 1909, has been uneventful in the history of the hospital except for the increase in the number of patients cared for, which brings with it the perplexing consideration of the best way in which to meet the further increase that is inevitable in the next few years. It seems probable that our hospital must continue, for many years at least, to care for the insane of the four western counties. No definite plans have been proposed but several have been discussed. For the present we must try to keep our numbers as low as possible, and to care for, as well as we may, all who are sent here. Reference is made to the superintendent's report for particulars concerning the patients, the present state of the hospital and its future needs.

We are pleased to record that we have been able to live within the amount appropriated for maintenance, notwithstanding the high cost of living, an upward tendency in the scale of wages of employees and a number of patients supported larger than was expected.

The Legislature appropriated \$175,000 for the maintenance of an estimated daily average number of 840 patients. The daily average number actually cared for was 858, at a weekly expenditure of \$3.87 per patient. The hospital received from board of private patients, from reimbursements for board of

patients who could not pay the full cost of support and from sales from the farm and sales of miscellaneous articles the sum of \$46,868.02, and it furnished toward the support of patients products to the market value of \$44,924.51.

The treasurer's report gives an itemized account of the financial transactions for the year.

We are advised by the State Board of Insanity to make estimates for the maintenance of a daily average number of 872 patients for the coming year, and accordingly ask for the sum of \$198,500, basing our estimates on our experience of the past three or four years.

Mr. MacInnes resigned early in the year. He had been a member of the Board for sixteen years, during which period he had a deep interest in the welfare of the hospital. He was frequently consulted by friends of patients from Berkshire County, to whom he invariably gave a sympathetic attention much appreciated by them. He was succeeded by Mr. John McQuaid, who entered upon his service in August.

In August Dr. Grace E. B. Rice resigned and Dr. Mabel C. Cruttenden was appointed in her place. There have been no other changes on our staff of officers.

ALVAN BARRUS.

SARAH A. WOODWORTH.

CAROLINE A. YALE.

F. W. CHAPIN, M.D.

JOHN McQUAID.

HENRY L. WILLIAMS.

CHARLES S. SHATTUCK.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

I herewith respectfully present my report of the operations of the hospital for the year ending Nov. 30, 1909.

The statistics concerning patients in the tables annexed to this report are for the year Oct. 1, 1908, to Sept. 30, 1909. At the beginning of this year there were 829 patients, either at the hospital or boarded out in private families, but under our supervision, and 24 were out on trial visit. Within the year 295 were admitted. Two hundred and twenty were dismissed and 49 were out on trial visit, thus leaving 888 in our care at the end of the year. The whole number under our supervision was 1,124. The largest number on any one day was 899 and the daily average number was 848. The daily average number supported during the fiscal year, December 1 to November 30, was 858. This is the largest daily average number in the history of the hospital, being 54 larger than the daily average number of a year ago, though fewer patients were admitted this year than last, and is to be accounted for principally by the admission of a large number of patients whose condition was unfavorable for recovery or improvement. Many of these cannot be discharged because they would be a source of annoyance and danger to the public, and many others, though quiet and not troublesome, must remain here because they cannot care for themselves and have no relatives or friends to care for them.

Of the patients admitted 230 were committed by the courts, 5 were transferred by the State Board of Insanity from other institutions or from places where they were boarded out, 3 were returned from trial visit of the previous year, 3 were returned from elopement and 4 came by voluntary commitment. Forty of the patients had been in this hospital before and 9 had been previously in other hospitals.

Concerning the patients who were admitted for the first time to any hospital: 39 per cent. were foreign born and 63 per cent. were of foreign parentage; only 37 per cent. were born in Massachusetts. Their average age was forty-four years for the men and forty-two and six-tenths years for the women. Of the first admissions 46 were over sixty years of age, but of all admissions 51 were over sixty years old, 12 over seventy and 7 over eighty. The average duration of insanity prior to admission in cases first admitted, so far as could be learned, was two and one-half years. In only 73 cases had the insanity existed less than three months and in but 20 cases from three to six months. These facts indicate an unfavorable prospect of recovery in the majority of cases admitted. Few cases recover who have been insane six months or more at the time of admission to the hospital. Our records for many years show that the average duration of the insanity prior to admission to the hospital, in cases that recovered, is about three months.

The facts in relation to the causation of the insanity in the cases admitted are much the same as tabulated in nearly all of our later reports. Hereditary tendencies were assigned causes in 61 cases, and undoubtedly would be found a factor in a larger number of cases could they all be thoroughly studied. The intemperate use of alcohol and other drugs was the principal cause in at least 46 cases, and no doubt was an indirect cause in many more cases, especially in some of the hereditary cases and those classed as congenital, and probably in some others. Old age, with its involutional changes, that may be considered physiological but are so prone to become pathological, was the assigned cause or prominent factor in 33 cases. There were 37 congenital cases. Twelve were due to epilepsy and 20 to cerebral hemorrhage, arteriosclerosis, syphilis and involutional degeneration.

Recoveries can be hoped for from certain forms of insanity only, and not all cases of the forms of insanity considered favorable can recover, some coming to the hospital after the insanity has existed too long a time and some having physical ills which preclude hope of recovery. About 75 per cent. of the admissions were of an unfavorable type.

Eight cases of voluntary commitment were under treatment during the year. Three of these have been patients here pre-

vously. Patients who come here voluntarily appreciate the privilege and are grateful for their care and treatment. It is probable that more patients, including some who are now committed, would come voluntarily if it were more widely known that they would be accepted, and if the advantages of such form of commitment were better understood.

Two hundred and twenty patients were dismissed, as follows: 36 recovered; 28 capable of self-support; 34 improved; 14 unimproved; 2 voluntary cases; 73 died; 27 were transferred by the State Board of Insanity to other hospitals or to be boarded out in private families; 6 escaped; 40 were out on trial visit at the end of the year.

Thirty-eight of the patients who died were over sixty years of age, 18 between seventy and eighty and 7 over eighty. The average length of hospital residence of the patients who died was twenty-one months. Twenty-six of them had been here longer than one year. Twenty-three died of old age and its infirmities, 10 of general paralysis of the insane, 9 of cerebral hemorrhage, 7 of myocarditis, 4 of endocarditis and 4 of tuberculosis of some form, 2 of these latter of pulmonary tuberculosis and 1 each of intestinal tuberculosis and tubercular meningitis.

As usual, our remedial measures have been chiefly the removal of the exciting cause of the insanity as far as possible, the ordering of a quiet and hygienic daily life and the discipline of regular employment and exercise, supplemented by diversion and amusement. Few drugs have been used and no hypnotics or restraining apparatus whatever. Hydrotherapy has been used extensively, as for the past twelve years.

The training school for nurses has been under the general management of Miss Alice E. Bedell. The lectures and class work were conducted by members of the medical staff. The coming year the lectures will be given by the staff as usual, but the class work will be carried on by Miss Niola M. Watson, a graduate in last year's class. Four nurses were graduated: Misses Lulu Norton Drew, Lillian Marjorie Purdy, Annie Mae Smith and Blanche Marion Smith. The class was small, principally because of the difficulty of securing enough young women to accept service and take the training. For years our nursing force has been inadequate in number. The ratio of nurses to

patients was 1 to 12 this past year, while a proportion of 1 to 8 is desirable if not necessary. There are now so many hospitals with training schools requiring a large number of pupils that not many who apply have proper or desirable qualifications for the work; and to some who come here and would be desirable the work is so unattractive that they cannot be induced to stay. Quite a number of applications from married couples have been received lately and we have as many in our service as we can accommodate. Perhaps it will help solve what is becoming a troublesome problem to superintendents, — the maintaining of a desirable ratio of nurses to patients, — if suitable inducements can be made to secure married couples and to keep them in service longer than the present average length of service of nurses and attendants. That we may make a trial of this I recommend that the house so long occupied by Mr. Mercier, our head farmer, which is now vacant, be remodeled to accommodate four or five couples of married people.

In May Miss Lucy A. Gilbert resigned, after a service of nearly forty-two years. During the greater part of this time she was at the head of the nursing force, where she rendered efficient service, well liked by officers, associates, patients and their friends. It was much to our regret that failing health precluded her longer stay in our service. In her going the hospital lost a faithful employee.

Miss Hedges remains in charge of the course of special cooking for the graduating class. Miss Worcester continued her course in gymnastics, athletics and special amusement work till early summer.

No new work of an extensive nature has been undertaken, but many repairs and improvements have been made. The old horse stalls in the south end of the cow shed were removed and in their places a very convenient and commodious stable was built, 44 feet wide by 61 feet long, with floor of cement, having sixteen single stalls, one box stall and two harness rooms. This is large enough to accommodate all the farm horses.

The end of the barn which formed one of the sides of the silos gave way under the great pressure to which it was subjected and had to be rebuilt.

An electric elevator was erected at the ice house, capable of

lifting ice into the house as rapidly as it can be brought to it. This is operated by the motor which is used to run the ensilage cutter.

A freight elevator, operated by a seven horse-power motor of a capacity of one ton and provided with complete safety attachments, was placed in the cold-storage building.

All the slop bowls and water-closets were replaced by new fixtures, and the piping to the baths was renewed in the toilet rooms of the third halls south. A toilet room was constructed in the house occupied by our florist, equipped with lavatory, closet and bath.

A thousand feet of 4-inch pipe, leading from the pump house to the engine room, was laid, taking the place of the pipe of sheet iron and cement which had been in use forty years or more.

The radiators in the heating stacks in the basements of all wards but the infirmaries were taken down and reset with wider spaces between them, to allow the passage of more air than before, thus improving the ventilation in the winter months.

New sidewalks of cement were laid in the rear around the paint shop and cold-storage buildings to the stable and barn and from the men's dormitory to the basement of the storehouse, 533 square yards in all.

Considerable grading and filling was done around the men's infirmary and on the Braman lot.

On all these pieces of work many of the patients were engaged. As usual, they were also engaged on the farm, at the barns, in the shops and in the kitchen, bakery, laundry and sewing rooms, besides helping in the every day housework on the wards. Many of the women helped in picking peas, strawberries and currants, and a few of them had plots of ground in which they raised flowers and vegetables.

There has been a favorable yield of farm products, averaging larger than last year, though some of the crops were smaller than usual. Their market value was \$44,924.51, which is about \$2,300 larger than the value of last year's harvest.

There have been 152 assemblies for patients during the year for divine worship, entertainment and amusement. The religious services held on each Lord's day were conducted in rota-

tion by the clergymen of neighboring churches. There were readings on forty-seven evenings, stereopticon lectures on six evenings, piano concerts on three evenings, card parties on three evenings and dances on twenty-six evenings. In addition to the above there were the following entertainments: December 21, legerdemain and music, Mr. Harrell; December 25, Christmas tree; January 5, reading, "Old Homestead," Mr. Kiernan; January 19, songs and readings, Madam Richings; February 8, reading, "Oliver Twist," Mr. Truman; February 20, music and readings, Mr. McGee and Mr. Newmarker; February 21, phonograph concert, Mr. A. McCallum; February 27, songs and readings, Mr. Eccles; March 2, play, "A Case of Suspension," class of 1909, Smith Academy, Hatfield; March 22, music, Mr. and Mrs. Wheeler and Miss Lord; April 5, music, Mr. Bradley and Mr. Bill; April 13, piano and violin, Mr. and Mrs. Angeloty; September 21, music and readings, Mr. Brigham; September 29, songs and readings, Madam Richings; November 8, Mendelssohn String Quartette of Springfield; November 11, Fiske Jubilee Singers. In all of these music formed a part of the exercises. On July 4 there was a band concert on the front lawn. On every Saturday during the warm months a game of baseball was played on the grounds in front, in view from many of the wards. Interest in the pavilion given by Mrs. James has not waned. The full number that it will accommodate avail themselves of its privileges.

We have received many gifts from friends of the hospital and of the patients, such as books, periodicals, money and gifts for the Christmas tree and the like. I thank the following persons, with the assurance that their interest is gratefully appreciated and that they have added greatly to the pleasure of the patients: for presents for the Christmas tree from Mrs. W. T. Parker of Springfield, Mrs. J. L. Egbert of Springfield, Miss Martha Fobes of Springfield, Mrs. R. C. Lucius of North Adams, Mrs. J. J. Sullivan of North Adams; books for the library from Dr. Wood of Worcester; 2 copies of the "Circle" from Miss Florence Austin of Peterboro, N. H.; calendars from Miss E. Hall of Greenfield; crepe paper for Hallowe'en decorations from Miss Dickinson of Framingham; an entertainment by the Fiske Jubilee Singers from Miss Eastman of South Hadley; magazines

and papers from Mr. Ohstrom, Mr. Louis Graves, Mrs. M. W. Graves, Mrs. E. S. Ross, Mrs. Ganong and Messrs. Bridgman and Lyman; "Christian Register" and "Dumb Animals" have been regularly received.

The successful management of a public institution of this kind depends largely on the co-operation of officers and employees. It is a pleasure to place on record the loyal support and unselfish interest of my associates, and generally satisfactory service of the employees.

JOHN A. HOUSTON,
Superintendent.

DIETARY OF THE NORTHAMPTON STATE HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about three hundred persons, and the second to those of somewhat over three hundred. In addition to these, about 190 quarts of egg and milk are taken through the wards between meals and at bed time, and distributed to the old, the feeble and the convalescent classes.]

BILL OF FARE No. 1.

BREAKFAST.

- Monday.* — Tea, oatmeal, coffee, broiled beefsteak or eggs, potatoes, warm rolls ("biscuit"), bread and butter.
- Tuesday.* — Tea, coffee, oatmeal, fried tripe,¹ potatoes, warm rolls, bread and butter.
- Wednesday.* — Tea, coffee, oatmeal, broiled beefsteak or eggs, potatoes and warm brown (rye and Indian) bread.
- Thursday.* — Tea, coffee, oatmeal, broiled beefsteak, potatoes, warm rolls, bread and butter.
- Friday.* — Tea, coffee, oatmeal, fried tripe,¹ potatoes, warm rolls, bread and butter.
- Saturday.* — Tea, coffee, oatmeal, either fried fish-balls or liver, meat hash, hot corn cake, bread and butter.
- Sunday.* — Tea, coffee, oatmeal, eggs, potatoes, warm rolls, bread and butter and fried Indian corn pudding.

DINNER.

- Monday.* — Roast beef, potatoes and one other vegetable,² bread and butter, boiled rice with syrup or sugar.
- Tuesday.* — Vegetable soup, roast or stewed veal,³ potatoes and one other vegetable,² bread and butter, and baked Indian pudding.
- Wednesday.* — Either roasted or boiled mutton, potatoes and one other vegetable,² bread and butter, and berry or apple pudding, with sauce.⁴

¹ Tripe is replaced in winter by sausages, and in spring by fried ham and eggs, except in the season of shad, when that fish is given once each week instead of ham and eggs, and once instead of beefsteak.

² At least three vegetables during the summer.

³ Substituted in winter by fresh pork ribs, roasted.

⁴ In spring, maple syrup is used as sauce for puddings.

- Thursday.* — Vegetable soup, corned beef, potatoes and one other vegetable,¹ bread and butter, and boiled suet pudding, with syrup.
- Friday.* — Either fried or baked fresh fish,² or stewed or roasted veal, potatoes and one other vegetable,¹ bread and butter, and tapioca pudding or raisin pudding of either rice, bread or cracker.
- Saturday.* — Baked beans, corned beef, potatoes and one other vegetable,¹ pickles, bread and butter, and baked bread pudding.
- Sunday.* — Stewed mutton, sweet potatoes, warmed baked beans, pickles, bread and butter and pies, the kind varying with the season.

SUPPER.

- Monday.* — Tea and bread, warm corn cake and butter, hard gingerbread and a relish.³
- Tuesday.* — Tea, white bread, graham bread and butter, soft gingerbread and a relish in the warm season, substituted by buckwheat cakes in the cold season.
- Wednesday.* — Tea, bread and butter, pie (the kind varying with the season), and ginger snaps and a relish.
- Thursday.* — Tea, bread and butter, cookies and cheese.
- Friday.* — Tea, bread and butter, cake (the kind varying) and a relish.
- Saturday.* — Tea, bread and butter, doughnuts and cheese.
- Sunday.* — Tea, bread and butter, cookies and ginger snaps and blanc-mange or corn starch.
- Extra.* — In the winter and spring months hulled corn at supper, once in two weeks, on Saturdays.

BILL OF FARE No. 2.

BREAKFAST.

- Monday.* — Coffee, oatmeal, boiled eggs, potatoes, and bread and butter.
- Tuesday.* — Coffee, oatmeal, cold roast beef, potatoes, and bread and butter.
- Wednesday.* — Coffee, oatmeal, meat stew or boiled eggs, potatoes, and warm rye and Indian corn brown bread and butter.
- Thursday.* — Coffee, oatmeal, pickled codfish cooked in milk, potatoes, and bread and butter.
- Friday.* — Coffee, oatmeal, cold corned beef or meat stew, potatoes, and bread and butter.
- Saturday.* — Coffee, oatmeal, hash, either of meat or fish, and bread and butter.
- Sunday.* — Coffee, oatmeal, boiled eggs, potatoes, and bread and butter.

¹ At least three vegetables during the summer.

² Substituted by stewed oysters in winter and spring, with some kind of roasted meat for those who prefer it.

³ This term, used for the want of a better, includes dried beef, berries, baked apples, apple sauce and canned fruits, all of which are supplied, and each according to the season.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable,¹ boiled hominy with molasses, and bread.

Tuesday. — Vegetable soup, potatoes and one other vegetable,¹ baked Indian pudding² and bread.

Wednesday. — Boiled codfish with drawn-butter sauce, potatoes and one other vegetable,¹ boiled hasty pudding with molasses, and bread.

Thursday. — Vegetable soup, potatoes, cabbage or some other vegetable,¹ boiled rice with molasses,³ and bread.

Friday. — Boiled fresh fish with drawn-butter sauce, potatoes, beets or some other vegetable,¹ boiled hasty pudding with molasses, and bread.

Saturday. — Hot baked beans, potatoes, baked Indian or bread pudding, pickles and bread.

Sunday. — Cold corned beef, potatoes, pies (the kind varying with the season) and bread.

SUPPER.

Monday. — Tea, bread and butter, and hard gingerbread.

Tuesday. — Tea, bread and butter, and soft gingerbread.

Wednesday. — Tea, bread and butter, cake or ginger snaps, and some kind of relish.

Thursday. — Tea, bread and butter, and cookies.

Friday. — Tea, bread and butter, and soft gingerbread.

Saturday. — Tea, bread and butter, cake or ginger snaps, sauce.

Sunday. — Tea, bread and butter, and cookies.

EXTRAS.

In the winter and spring months, hulled corn at supper on Saturdays.

In August and September these tables are furnished at supper with either berries, tomatoes or baked apples, as many as five times a week.

In eight halls, sauce of either fresh or dried apples is furnished four times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day and on Christmas, with vegetables, celery, cranberry sauce, pudding, pie and cider.

From four to five bushels of green sweet corn in the ear is consumed in its season, daily, with the exception of Sunday.

¹ At least three vegetables in the summer.

² All baked puddings for the whole household are made with milk.

³ Maple syrup is furnished, in place of molasses, three or four times in the spring.

Strawberries, tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring, cowslips and dandelions are largely used as greens, and horse-radish as a condiment.

During eight months of the year, apples are distributed, daily, among the patients.

Beef tea, chicken broth, mutton broth, scalded milk, arrow-root gruel, oatmeal gruel, milk punch, cracked wheat, oatmeal porridge, dry toast, milk toast, toast with dropped egg, and boiled eggs, for invalids and all who are not able to take the regular fare.

ARTICLES MADE IN SEWING ROOM.

Aprons,	481	Lard strainers,	2
Bandages,	2	Mattress ticks,	158
Bath robes,	8	Milk cloths,	144
Blankets bound,	2	Napkins,	354
Bureau covers,	239	Night caps,	12
Caps,	289	Night gowns, long,	55
Carpets,	1	Night gowns, short,	530
Chemises,	95	Obstetric pads,	2
Clothes bags,	86	Petticoats,	201
Covers for laundry extractor,	6	Pillow cases,	1,259
Corset covers,	10	Pillow ticks,	12
Curtains, sash,	51	Rugs,	68
Curtains, screen,	36	Sheets,	1,623
Curtains, shades,	366	Shirts,	883
Curtains, lace,	8	Shirt waists,	22
Drawers,	15	Stand covers,	305
Dresses,	231	Table cloths,	171
Dress skirts,	4	Towels,	3,060
Dust cloths,	10	Towels, roller,	154
Flags,	5	Tray cloths,	175
Holders,	87	Articles repaired,	46,310
Kimonos,	2		

UPHOLSTERY DONE IN THE YEAR.

Hair mattresses made, new material,	74
Hair mattresses made, old material,	204
Hair mattresses made, old hair, new ticks,	84
Hair pillows made, new material,	43
Hair pillows made, old material,	173

AMOUNT OF PRESERVING DONE IN KITCHEN DEPARTMENT.

Blackberry jam, quarts,	40	Apple jelly, glasses,	98
Blackberries, spiced, quarts,	6	Currant jelly, glasses,	100
Blueberries, quarts,	123	Gooseberry jelly, glasses,	4
Cherries, quarts,	68	Grape jelly, glasses,	38
Citron, quarts,	68	Mint jelly, glasses,	36
Gooseberries, quarts,	20	Quince jelly, glasses,	30
Grapes,	12	Grape juice, quarts,	104
Grape marmalade, quarts,	45	Catsup, tomato, quarts,	84
Peaches, quarts,	98	Chow-chow, quarts,	110
Peach butter, jars,	12	Cucumbers, barrels,	4
Plums, quarts,	52	Cucumbers, spiced, quarts,	52
Quince, quarts,	17	Cucumbers, salted, barrels,	8
Raspberries, quarts,	10	Pears, gallons,	3
Rhubarb, quarts,	106	Tomatoes, sweet, gallons,	6
Strawberries, quarts,	108	Mustard, gallons,	8
Tomatoes, quarts,	172	Sauerkraut, barrels,	2

OFFICERS AND EMPLOYEES.

[Time employed, Nov. 30, 1909.]

NAMES.	Years.	Months.	Days.
John A. Houston, M.D., superintendent.	20	2	7
Harriet M. Wiley, M.D., assistant physician,	9	9	29
Charles H. Dean, M.D., assistant physician,	9	6	21
Edward W. Whitney, M.D., assistant physician.	4	2	11
C. Stanley Raymond, M.D., assistant physician,	3	5	11
Mabel C. Cruttenden, M.D., assistant physician,	—	1	19
Lewis F. Babbitt, treasurer.	18	1	18
Burton G. Fiske, supervisor,	6	1	15
Alice E. Bedell, superintendent of nurses,	7	3	20
Susan E. Warren, matron.	15	8	8
Martha G. Jones, secretary to superintendent,	16	4	11
Joseph G. Cook, farmer,	3	4	5
George N. Drury, steward,	12	2	—
William J. Moore, assistant steward.	13	1	3
Rachel C. Packard, stenographer,	—	7	—
Susan E. Norton, clothes marker.	1	7	29
Ord Thomas, assistant steward.	—	2	9
Jay E. Cook, baker,	10	9	—
Leon E. Bruce, assistant baker,	4	5	4
George W. Thorniley, florist,	16	7	11
Waverley D. Packard, engineer,	2	5	13
Thomas Butterworth, assistant engineer,	2	—	17
William C. Day, assistant engineer,	18	7	29
Gottlieb Beer, fireman,	2	—	12
Earl Kron, fireman,	2	5	8
Francis Pond, fireman,	1	4	5
Isaac Fisk, fireman,	—	8	24
Helfrid N. Fiske, seamstress.	3	10	19
Lillian Dean, assistant seamstress.	1	7	1
Emma A. Vining, assistant seamstress,	—	—	7
Charles E. Williams, laundryman,	12	2	29
Margaret Sweeney, laundress,	4	9	27
Ellen Moore, laundress,	3	5	2
Martha C. Greene, laundress.	1	10	2
Katherine McGrath, laundress,	1	5	17
Alma Bugbee, usher,	1	9	26
Jennie Ryan, usher,	1	7	5
Harriet Briggs, housemaid,	8	3	22
Katherine C. Hall, housemaid.	2	5	28
Mabel Tacy, housemaid,	—	8	16
Kate Flaherty, housemaid,	—	—	27
Mary E. Shea, center dining room,	2	6	3
Mary E. Moriarty, center dining room,	—	7	9

NAMES.	Years.	Months.	Days.
Nellie McGrath, kitchenmaid,	2	7	—
Helen Flaherty, kitchenmaid,	1	1	2
Lizzie Hart, kitchenmaid,	—	2	28
Mary Montgomery, kitchenmaid,	—	2	25
James Ruddy, kitchen,	2	1	26
Mary Minihan, cook,	—	2	29
Josie Hurd, cook,	—	5	10
Harry W. Love, watchman,	5	11	22
Fred D. Aldrich, nurse,	9	11	18
Alexander Beaton, nurse,	4	4	14
George Begor, nurse,	2	7	2
John L. Benson, nurse,	1	1	19
John J. Bradley, nurse,	1	6	18
Dean Combs, nurse,	—	6	29
Robert Courtney, nurse,	1	7	27
Merrill Currier, nurse,	—	2	4
Charles Danforth, nurse,	—	—	6
David Delong, nurse,	1	—	21
William H. Doyle, nurse,	—	—	8
Peter Dufresne, nurse,	—	2	3
Joseph J. Dunn, nurse,	—	2	1
Joseph O. Freeman, nurse,	—	2	2
Alick Grant, nurse,	—	—	16
Noah Haskell, nurse,	2	6	—
Arthur Joslyn, nurse,	3	1	27
Chester Kenny, nurse,	1	3	12
Josiah Littlefield, nurse,	1	1	26
Samuel Lynas, nurse,	—	1	19
Patrick McEvoy, nurse,	—	6	18
Michael McCaffrey, nurse,	—	1	13
William Manship, nurse,	—	3	2
Herbert McNierney, nurse,	—	2	2
James Moore, nurse,	2	1	27
Alfred Owen, nurse,	—	9	12
Charles Pease, nurse,	3	6	6
Charles Percy, nurse,	1	11	15
James Poulton, nurse,	1	—	2
Charles Rathburn, nurse,	4	11	12
Harold P. Shorey, nurse,	—	7	2
John Waltz, nurse,	—	6	28
Harry Weymouth, nurse,	—	2	3
Samuel B. Roberts, nurse,	—	—	14
Gustave H. Thiem, nurse,	—	1	—
Ethel Adams, nurse,	—	2	21
Helen J. Barrett, nurse,	—	9	7
Goldie Bickford, nurse,	1	2	—
Alice C. Brennan, nurse,	—	6	1
F. J. Burke, nurse,	—	—	15
Gertrude Chaffee, nurse,	—	—	29
Isabella D. Clark, nurse,	—	1	7
Louise Coulter, nurse,	2	3	12
Mabel Dean, nurse,	2	6	7

NAMES.	Years.	Months.	Days.
Lulu Drew, nurse,	2	2	12
Agnes Farrington, nurse,	—	3	—
Isabell Ferguson, nurse,	1	3	27
Edith L. Jenkins, nurse,	—	1	14
Margaret Kelly, nurse,	1	7	—
Ida M. Lafley, nurse,	—	3	8
Lillian Love, nurse,	4	9	5
Effie Mahy, nurse,	5	4	24
Evelyn Manning, nurse,	1	4	—
Alice McNierney, nurse,	—	5	15
Clara Mulfinger, nurse,	—	11	9
Lillian M. Purdy, nurse,	2	7	23
Olive M. Ready, nurse,	—	8	19
Mary Ryan, nurse,	—	6	22
Lillie W. Scholz, nurse,	—	1	6
Edna E. Shorey, nurse,	—	7	2
Annie Smith, nurse,	2	11	—
Blanche Smith, nurse,	2	2	—
Emily Stewart, nurse,	5	—	2
Margaret Tobin, nurse,	—	9	21
Eulalie M. Turner, nurse,	—	3	22
Niola Watson, nurse,	1	9	19
Florence Weymouth, nurse,	—	2	3
Phoebe Wheeler, nurse,	3	5	19
Ruth Wilson, nurse,	—	2	22
Lucy Pedden, nurse,	—	—	19
A. C. Burnett, painter,	3	6	28
Thomas P. Clair, plumber,	11	7	—
Albert De Grandpre, carpenter,	4	10	—
Henry Maynard, carpenter,	1	5	22
Martin L. Sornborger, plumber,	6	—	6
Roscoe Tobin, plumber,	7	—	28
Walter M. Tower, carpenter,	30	10	—
Cornelius Barry, farmer,	2	8	—
Orrin Blodgett, farmer,	3	4	8
C. H. Buckwold, farmer,	1	1	11
James Denny, farmer,	1	1	24
Walter Denny, farmer,	—	7	26
Xavier Dion, farmer,	16	5	16
Michael Drozdial, farmer,	—	7	10
Thomas Drozdial, farmer,	5	—	—
Thomas Fagan, farmer,	1	8	—
Frank Hurd, farmer,	—	5	10
Tofiel Lucier, farmer,	—	4	23
B. McNamara, farmer,	11	7	8
David Mercier, coachman,	32	9	13
H. Ohrstrom, gardener,	3	5	25
Frank Sanborn, farmer,	2	6	22
Walter Streeter, herdsman,	6	3	1
Jeremiah Sullivan, farmer,	—	5	16
Alex G. Wylie, gardener,	4	11	27
Joseph Young, farmer,	1	5	28

LIST OF PERSONS REGULARLY EMPLOYED AT THE NORTHAMPTON STATE HOSPITAL.

Superintendent and physician (per year),	\$3,000 00
Assistant physician (per year),	1,300 00
Assistant physician (per year),	1,100 00
Assistant physician (per year),	1,000 00
Assistant physician (per year),	900 00
Assistant physician (per year),	500 00
Treasurer and clerk (per year),	1,800 00
Engineer, with house rent (per year),	1,100 00
Farmer, with house rent (per year),	1,000 00
Florist, without board (per year),	700 00
Matron (per month),	40 00
Supervisor (per month),	55 00
Superintendent of nurses (per month),	50 00
Assistant superintendent of nurses (per month),	45 00
Assistant to superintendent of nurses (per month),	40 00
Secretary to superintendent (per month),	40 00
Stenographer (per month),	25 00
Seamstress (per month),	25 00
Assistant seamstresses (2) (per month),	20 00
Assistant seamstress (per month),	16 00
Laundryman (per month),	50 00
Laundresses (3) (per month),	\$18 00 to 22 00
Baker (per month),	60 00
Assistant baker (per month),	40 00
Steward, with partial board (per month),	60 00
Assistant steward (per month),	45 00
Assistant steward (per month),	50 00
Nurses (men, 45) (per month),	\$25 00 to 35 00
Nurses (women, 50) (per month),	21 00 to 30 00
Ushers (2) (per month),	17 00 to 18 00

Housemaids (4) (per month),	\$17 00 to 18 00
Waitresses (2) (per month),	18 00
Cooks (2) (per month),	\$25 00 to 30 00
Kitchen girls (5) (per month),	16 00 to 18 00
Clothes marker (per month),	20 00
Painter (per month),	60 00
Assistant engineers (2) (per month),	\$47 00 to 56 00
Fireman (3) (per month),	37 00 to 41 00
Coachman (per month),	42 50
Farm laborers (10) (per month),	\$25 00 to 40 00
Farm laborers (5) (per day),	1 75
Herdsmen (per month),	37 50
Gardeners (2) (per month),	\$50 00 to 55 00
Watchman (per month),	40 00
Kitchen helper (per month),	28 00
Carpenter (per day),	2 75
Carpenter (per day),	2 75
Carpenter (per day),	2 00
Plumber (per year),	1,000 00
Plumber (per month),	45 00
Plumber (per day),	2 25

FARM PRODUCTS.

Apples, 459 barrels,	\$1,377 00
Asparagus, 12½ bushels,	53 13
Beans, lima, improved, 225 bushels,	337 50
Beans, shell, 135 bushels,	168 75
Beans, wax string, 60 bushels,	60 00
Beans, green string, 29 bushels,	20 30
Beef, cow, 6,547 pounds,	458 29
Beef, steer, 10,062 pounds,	804 96
Beets, greens, 26½ bushels,	9 28
Beets, table, 460 bushels,	230 00
Broom brush, 2,000 pounds,	160 00
Broom brush, seed, 80 bushels,	40 00
Brussels sprouts, 92 bushels,	10 12
Cabbage, 60,900 pounds,	609 00
Carrots, 86 bushels,	51 60
Cauliflower, 493 bushels,	49 30
Celery, 233 bunches,	198 05
Cherries, 28 quarts,	35 00
Chickens, broilers, 143 pounds,	35 66
Chickens, roasters, 587 pounds,	129 14
Cider, 752 gallons,	75 20
Citron, 2,500 pounds,	75 00
Corn fodder, 130 tons,	650 00
Corn, green, 757 bushels,	567 75
Corn, shelled, 918 bushels,	550 80
Cucumbers, 170 bushels,	340 00
Cucumbers, pickles, 54 bushels,	86 40
Currants, 292 quarts,	32 12
Eggs, 1,337½ dozen,	468 15
Ensilage, 500 tons,	2,500 00
Fowl, 158½ pounds,	23 78
Gooseberries, 52 quarts,	5 72
Grapes, 515 pounds,	15 45
Hay, first growth, 323 tons,	5,814 00
Hay, second growth, 65 tons,	780 00
Ice, 762 tons,	2,286 00
Lettuce, doghead, 177 bushels,	44 25
<hr/>	
Amount carried forward,	\$19,151 70

Live stock belonging to the hospital:—

[illegible]

VALUATION.

REAL ESTATE.

Grounds and building sites, 23 acres,	\$6,900 00
Woodland, 93 acres,	11,625 00
Mowing, 110 acres,	13,750 00
Pasturage, 185 acres,	12,125 00
Tillage, 100 acres,	12,500 00
Hospital building,	616,619 00
Farmhouse,	1,500 00
Brick house,	1,700 00
Six dwellings,	5,500 00
Storehouse, shops and cold storage,	30,000 00
2 barns,	5,500 00
Cow stable,	13,000 00
Horse stable,	6,000 00
Piggery,	3,000 00
Lumber shed,	850 00
Cart shed,	400 00
Pump house,	400 00
Paint shop,	2,039 00
Ice house,	800 00
Total real estate,	\$744,208 00

PERSONAL ESTATE.

Provisions and groceries,	\$10,686 74
Ready-made clothing,	2,657 62
Dry goods,	916 31
Furnishings in inmates' departments,	24,120 00
Personal property in superintendent's department,	10,000 00
All other property,	3,185 60
Fuel,	3,289 93
Machinery and fixtures,	21,750 00
Live stock on farm,	14,775 00
Produce of farm on hand,	15,689 31
Carriages and agricultural implements,	5,256 00
Drugs and medicines,	785 67
Library,	1,250 00
Amounts carried forward,	\$114,362 18
	\$744,208 00

<i>Amounts brought forward,</i>	\$114,362 18	\$744,208 00
Unexpended balance of maintenance appropriation,	15,378 66	
Unexpended balance of special appropriations,	1,402 61	
Accounts receivable,	12,367 96	
	<hr/>	143,511 41
		<hr/>
		\$887,719 41

ACCOUNTS PAYABLE.

Maintenance,	\$13,731 46
Trust funds:—	
Patients' money,	\$1,384 59
Endowments and other funds,	652 92
	<hr/>
	2,037 51
Excess of resources over liabilities,	871,950 44
	<hr/>
	\$887,719 41

Current expenses,	\$173,352 80
Average number of patients,	858+
Average weekly cost,	\$3.87

STATEMENT OF FUNDS.

Patients' Funds.

On hand Nov. 30, 1908,	\$1,325 31
Receipts,	1,201 01
	<hr/>
	\$2,526 32
Refunded,	1,141 73
	<hr/>
Balance on hand Nov. 30, 1909,	\$1,384 59

Fred B. Kelly Fund.

Balance Nov. 30, 1908,	\$629 11
Income,	23 81
	<hr/>
Balance on hand Nov. 30, 1909,	\$652 92

TREASURER'S REPORT.

To the Trustees of the Northampton State Hospital.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1909:—

CASH ACCOUNT.

Receipts.

Institution Receipts.

Board of inmates :—

Private,	\$30,990 73
Reimbursements,	13,977 00

\$44,967 73

Sales :—

Food,	\$174 93
Clothing and materials,	281 01
Furnishings,	10 18
Repairs and improvements,	3 56
Miscellaneous,	96 09

565 77

Farm, stable and grounds :—

Cows and calves,	\$299 25
Pigs and hogs,	93 60
Hides,	460 57
Ice,	8 60
Sundries,	197 48

1,059 50

Miscellaneous receipts :—

Interest on bank balances,	\$93 78
Sundries,	181 24

275 02

\$46,868 02

Receipts from Treasury of Commonwealth.

Maintenance appropriations :—

Balance of 1908,	\$10,038 80
Advance money,	5,000 00
Approved schedules of 1909,	159,621 34

174,660 14

Special appropriations,

2,168 22

Total,

\$223,696 38

Payments.

To treasury of Commonwealth, institution receipts,	\$46,868 02	
Maintenance appropriations : —		
Balance November schedule, 1908,	10,038 80	
Eleven months' schedules, 1909,	159,621 34	
November advances,	3,931 36	
	<hr/>	\$220,459 52
Special appropriations : —		
Approved schedules,		2,168 22
		<hr/>
		\$222,627 74
Balance Nov. 30, 1909 : —		
In bank,	\$411 96	
In office,	656 68	
	<hr/>	1,068 64
		<hr/>
Total,		\$223,696 38

MAINTENANCE.

Appropriation,	\$175,000 00
Expenses (as analyzed below),	173,352 80
	<hr/>
Balance reverting to treasury of Commonwealth,	\$1,647 20

Analysis of Expenses.

Salaries, wages and labor : —	
General administration,	\$17,194 58
Medical service,	8,044 61
Ward service (male),	11,982 13
Ward service (female),	10,127 76
Repairs and improvements,	5,716 29
Farm, stable and grounds,	8,955 05
	<hr/>
	\$62,020 42
Food : —	
Butter,	\$10,768 21
Butterine,	45 40
Beans,	430 27
Bread and crackers,	516 48
Cereals, rice, meal, etc.,	1,289 45
Cheese,	280 33
Eggs,	7,567 09
Flour,	8,400 45
Fish,	2,284 65
Fruit (dried and fresh),	2,281 24
Meats,	8,370 85
Molasses and syrup,	506 70
Sugar,	3,511 62
Tea, coffee, broma and cocoa,	1,669 96
Vegetables,	2,583 65
Sundries,	1,548 80
	<hr/>
	52,055 15
	<hr/>
Amount carried forward,	\$114,075 57

Amount brought forward, \$114,075 57

Clothing and materials : —

Boots, shoes and rubbers,	\$1,120 30
Clothing,	1,233 31
Dry goods for clothing and small wares,	2,166 22
Furnishing goods,	294 22
Hats and caps,	37 00
Leather and shoe findings,	77 20
Sundries,	20 07

4,948 32

Furnishings : —

Beds, bedding, table linen, etc.,	\$4,559 79
Brushes, brooms,	130 45
Carpets, rugs, etc.,	729 82
Crockery, glassware, cutlery, etc.,	839 10
Furniture and upholstery,	379 02
Kitchen furnishings,	248 95
Sundries,	256 92

7,144 05

Heat, light and power : —

Coal,	\$12,568 54
Wood,	47 40
Electricity,	25 68
Gas,	69 54
Oil,	119 01
Sundries,	316 14

13,146 31

Repairs and improvements : —

Cement, lime and plaster,	\$256 70
Electrical work and supplies,	479 08
Hardware,	1,154 00
Lumber,	1,149 87
Machinery, etc.,	985 17
Paints, oil, glass, etc.,	1,325 15
Plumbing, steam fitting and supplies,	1,023 00
Roofing and materials,	104 06
Sundries,	433 87

7,210 90

Farm, stable and grounds : —

Blacksmith and supplies,	\$450 51
Carriages, wagons, etc., and repairs,	242 70
Fertilizers, vines, seeds, etc.,	1,877 48
Hay, grain, etc.,	10,227 66
Harnesses and repairs,	228 29
Horses,	500 00
Cows,	280 00
Other live stock,	927 60
Rent,	14 86
Tools, farm machines, etc.,	392 02
Sundries,	1,124 34

16,265 46

Amount carried forward, \$162,790 61

Amount brought forward, \$162,790 61

Miscellaneous : —

Books, periodicals, etc.,	\$234 98	
Chapel services and entertainments,	781 70	
Freight, expressage and transportation,	125 73	
Funeral expenses,	85 00	
Ice,	31 85	
Medicines and hospital supplies,	1,404 91	
Medical attendance, nurses, etc. (extra),	694 64	
Postage,	345 00	
Printing and printing supplies,	84 41	
Printing annual report,	167 33	
Return of runaways,	40 48	
Soap and laundry supplies,	1,092 29	
Stationery and office supplies,	275 72	
Travel and expenses (officials),	513 96	
Telephone and telegraph,	157 25	
Tobacco,	809 70	
Water,	2,701 71	
Sundries,	1,015 53	
		10,562 19

Total expenses for maintenance, \$173,352 80

SPECIAL APPROPRIATIONS.

Balance Dec. 1, 1908,	\$3,570 83
Expended during the year (see statement annexed),	2,168 22
Balance Nov. 30, 1909,	\$1,402 61

RESOURCES AND LIABILITIES.

Resources.

Cash on hand,	\$1,068 64	
November cash vouchers (paid from advance money),	3,931 36	
Due from treasury of Commonwealth, account November, 1909, schedule,	8,731 46	
		\$13,731 46

Liabilities.

Schedule of November bills,	\$13,731 46
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Special Appropriations.

Object.	Act or Resolve.	Whole Amount.	Expended during Fiscal Year.	Expended to Date.	Balance at End of Year.
Installation of better water supply,	Acts 1906, chap. 500	\$17,500 00	\$30 35	\$16,650 23	\$849 77
Paint house and workshop,	Acts 1906, chap. 500	2,500 00	7 08	2,372 63	127 37
Purchase of plumbing fixtures,	Acts 1907, chap. 92	2,000 00	1,478 70	1,978 10	21 90
Putting electric lights along driveway,	Acts 1907, chap. 92	1,200 00	46 20	1,164 64	35 36
Machinery for bakery,	Acts 1907, chap. 92	1,000 00	64 65	790 55	209 45
Lumber to construct ice house,	Acts 1907, chap. 92	700 00	541 24	541 24	158 76
		\$24,900 00	\$2,168 22	\$23,497 39	\$1,402 61

Respectfully submitted,

LEWIS F. BABBITT,

Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

WARREN A. MERRILL,

Assistant Supervisor of Accounts.

STATISTICAL TABLES.

[FORM PRESCRIBED BY STATE BOARD OF INSANITY.]

1. — General Statistics for the Year.

	INSANE.			NOT INSANE, VOLUNTARY.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1908,	430	396	826	1	2	3	431	398	829
Admitted within the year,	152	165	317	-	2	2	152	167	319
Viz.: by commitment,	138	142	280	-	-	-	138	142	280
voluntary,	-	2	2	-	2	2	-	4	4
by transfer,	-	5	5	-	-	-	-	5	5
from escape,	3	-	3	-	-	-	3	-	3
from visit,	1	2	3	-	-	-	1	2	3
nominally admitted from visit for discharge,	10	14	24	-	-	-	10	14	24
Whole number of cases within the year,	582	561	1,143	1	4	5	583	570	1,153
Dismissed within the year,	128	130	258	1	1	2	129	131	260
Viz.: Discharged,	62	50	112	1	1	2	63	51	114
as recovered,	24	12	36	-	-	-	24	12	36
as capable of self-support,	22	6	28	-	-	-	22	6	28
as improved,	12	22	34	-	-	-	12	22	34
as not improved,	4	10	14	-	-	-	4	10	14
as not insane,	-	-	-	1	1	2	1	1	2
Died,	46	27	73	-	-	-	46	27	73
Transferred,	-	27	27	-	-	-	-	27	27
Escaped,	5	1	6	-	-	-	5	1	6
On visit, October 1,	15	25	40	-	-	-	15	25	40
Patients remaining Sept. 30, 1909,	454	431	885	-	3	3	454	434	888
Viz.: supported as State patients,	366	309	675	-	3	3	366	312	678
as private patients,	45	71	116	-	-	-	45	71	116
as reimbursing patients,	43	51	94	-	-	-	43	51	94
Number of different persons within the year,	569	547	1,116	1	4	5	570	551	1,121
Number of different persons admitted,	142	151	293	-	2	2	142	153	295
Number of different persons admitted by commitment,	138	144	282	-	2	2	138	146	284
Number of different persons dismissed,	117	116	233	1	1	2	118	117	235
Number of different persons recovered,	23	12	35	-	-	-	23	12	35
Number of different persons discharged as capable of self-support,	22	6	28	-	-	-	22	6	28
Daily average number of patients,	435.95	412.46	848.41	-	-	-	435.95	412.46	848.41
Viz.: State patients,	347.56	302.84	650.40	-	-	-	347.56	302.84	650.40
private patients,	44.57	67.43	112.00	-	-	-	44.57	67.43	112.00
reimbursing patients,	43.82	42.19	86.01	-	-	-	43.82	42.19	86.01

2. — *Insane received on First and Subsequent Commitments.*

NUMBER OF COMMITMENTS.	CASES COMMITTED.		
	Males.	Females.	Totals.
First to this hospital,	119	123	242
Second to this hospital,	11	14	25
Third to this hospital,	4	5	9
Fourth to this hospital,	1	1	2
Fifth to this hospital,	1	—	1
Sixth to this hospital,	—	1	1
Seventh to this hospital,	1	—	1
Ninth to this hospital,	1	—	1
Total cases,	138	144	282
Total persons,	138	144	282
Never before in any hospital for insane,	114	119	233

3. — *Nativity and Parentage of Insane Persons first admitted to Any Hospital.*

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.
Massachusetts,	43	25	26	44	19	19	87	44	45
Other New England States,	18	12	12	11	8	12	29	20	24
Other States,	11	7	5	15	11	7	26	18	12
Total native,	72	44	43	70	38	38	142	82	81
Other countries: —									
Austria,	2	3	3	2	2	3	4	5	6
Bohemia,	1	1	1	—	—	—	1	1	1
Canada,	11	17	17	9	10	13	20	27	30
England,	3	5	5	4	7	7	7	12	12
Germany,	6	10	8	3	5	4	9	15	12
Hungary,	1	1	1	—	—	—	1	1	1
Ireland,	12	24	27	22	43	40	34	67	67
Italy,	1	2	2	3	4	4	4	6	6
Poland,	1	1	1	1	1	1	2	2	2
Russia,	1	1	1	1	1	1	2	2	2
Scotland,	2	2	2	3	3	3	5	5	5
Sweden,	1	2	2	—	—	—	1	2	2
Syria,	—	—	—	1	1	1	1	1	1
Total foreign,	42	69	70	49	77	77	91	146	147
Unknown,	—	1	1	—	4	4	—	5	5
Totals,	114	114	114	119	119	119	233	233	233

4. — *Residence of Insane Persons admitted by Commitment.*

	FIRST ADMITTED TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Hampshire County,	14	21	35	7	6	13	21	27	48
Hampden County,	60	58	118	10	10	20	70	68	138
Franklin County,	10	15	25	—	2	2	10	17	27
Berkshire County,	29	25	54	7	6	13	36	31	67
Bristol County,	1	—	1	—	—	—	1	—	1
Suffolk County,	—	—	—	—	1	1	—	1	1
Totals,	114	119	233	24	25	49	138	144	282
Unknown,	—	—	—	—	—	—	—	—	—
Totals,	114	119	233	24	25	49	138	144	282
Cities and towns,	82	92	174	21	21	42	103	113	216
Country districts,	32	27	59	3	4	7	35	31	66
Totals,	114	119	233	24	25	49	138	144	282

5. — *Civil Condition of Insane Persons first admitted to Any Hospital.*

	Males.	Females.	Totals.
Unmarried,	46	48	94
Married,	52	52	104
Widowed,	13	16	29
Divorced,	3	3	6
Unknown,	—	—	—
Totals,	114	119	233

6. — *Occupation of Insane Persons first admitted to Any Hospital.*

MALES.	
Armorer, 1	Office boy, 1
Baker, 1	Operatives, 15
Barbers, 4	Painters, 4
Blacksmith, 1	Policeman, 1
Cabinet maker, 1	Railroad brakeman, 1
Carpenters, 3	Railroad fireman, 1
Farmers, 12	Real estate agent, 1
Farm hands, 6	Salesmen, 2
Foundry man, 1	Saloon keeper, 1
Harness maker, 1	Shoemakers, 3
Hotel keeper, 1	Stationary engineer, 1
Insurance agent, 1	Student, 1
Iron polisher, 1	Tailor, 1
Jewelers, 3	Teamsters, 6
Laborers, 19	Tool maker, 1
Livery man, 1	Watch maker, 1
Machinists, 2	Whip maker, 1
Merchants, 3	No occupation, 8
Musician, 1	
Nurse, 1	Total, 114
FEMALES.	
Cook, 1	Stenographer, 1
Domestics, 14	Student, 1
Dressmakers, 2	Tailoresses, 2
Housekeepers, 14	Teachers, 2
Laundresses, 2	Typesetter, 1
Nurse, 1	No occupation, 22
Operatives, 13	
Peddler, 1	Total, 78
Seamstress, 1	

6. — *Occupation of Insane Persons first admitted to Any Hospital —*
Concluded.

WIFE OF —	
Actor, 1	Operative, 5
Bartender, 1	Painter, 2
Clerk, 2	Printer, 1
Farmer, 2	Salesman, 2
Laborer, 17	Saloon keeper, 1
Livery man, 1	Teamster, 2
Machinist, 2	
Millwright, 1	Total, 41
Molder, 1	

7. — *Ages of Insane at First Attack, Admission and Death.*

	FIRST ADMITTED TO ANY HOSPITAL.				DIED.			
	AT FIRST ATTACK.		WHEN ADMITTED.		AT FIRST ATTACK.		AT TIME OF DEATH.	
	Males.	Females.	Totals.		Males.	Females.	Totals.	
Congenital,	20	5	25	—	3	—	3	—
15 years and less,	—	6	6	1	—	—	—	—
From 15 to 20 years,	2	7	9	6	—	—	—	—
20 to 25 years,	8	13	21	8	3	1	4	2
25 to 30 years,	10	11	21	14	2	—	2	—
30 to 35 years,	10	15	25	12	2	2	4	—
35 to 40 years,	12	10	22	13	4	4	8	3
40 to 50 years,	19	22	41	18	6	3	9	6
50 to 60 years,	8	10	18	18	6	7	13	9
60 to 70 years,	11	8	19	11	6	4	10	15
70 to 80 years,	10	6	16	12	11	5	16	13
Over 80 years,	2	3	5	2	2	1	3	18
Totals,	112	116	228	114	45	27	72	7
Not insane,	—	—	—	—	—	—	—	73
Unknown,	2	3	5	—	1	—	1	—
Totals,	114	119	233	114	46	27	73	—
Mean known ages (in years),	43.9	37.07	40.1	44	57	53.9	55.5	59

9. — *Probable Duration of Mental Disease before Admission.*

PREVIOUS DURATION.	FIRST ADMITTED TO ANY HOSPITAL.		
	Males.	Females.	Totals.
Congenital,	20	5	25
Under 1 month,	31	10	41
From 1 to 3 months,	16	16	32
3 to 6 months,	7	16	23
6 to 12 months,	7	10	17
1 to 2 years,	11	13	24
2 to 5 years,	16	27	43
5 to 10 years,	3	6	9
10 to 20 years,	1	3	4
Over 20 years,	—	9	9
Totals,	112	115	227
Unknown,	2	4	6
Totals,	114	119	233
Average known duration (in years),	1.16	3.61	2.52

10. — *Form of Mental Disease in Patients committed or discharged, with Condition on Discharge, or died.*

FORM OF DISEASE.	COMMITTED.			DISCHARGED.						DIED.			TOTAL DISCHARGES AND DEATHS.		
	Males.	Females.	Totals.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — First admitted to any hospital: —															
Insane: —															
Acute alcoholic insanity,	10	6	16	14	2	16	-	-	-	-	-	-	14	2	16
Acute delirium,	2	2	4	-	1	1	-	-	-	-	-	-	1	1	2
Chronic alcoholic insanity,	7	5	12	2	1	3	2	2	4	-	-	-	4	5	9
Dementia præcox,	19	24	43	2	-	2	8	1	10	1	2	3	17	9	26
Epilepsy,	4	8	12	-	-	-	1	1	2	-	-	-	1	1	2
Involution psychosis,	6	8	14	-	-	-	1	-	1	-	-	-	1	1	2
Manic-depressive insanity: —															
Depressed form,	3	20	23	3	4	7	-	3	3	1	1	2	5	3	8
Maniacal form,	4	8	12	1	3	4	-	1	1	2	-	1	3	7	10
Mixed form,	2	6	8	-	-	-	-	-	-	-	-	-	1	1	2
Mental deficiency,	18	4	22	-	-	-	5	-	5	3	-	2	8	2	10
Organic dementia,	8	6	14	-	-	-	1	-	1	-	2	2	3	5	8
Paranoia,	1	4	5	-	-	-	-	1	1	-	1	1	1	1	2
Paresis,	11	1	12	-	-	-	1	-	1	-	-	-	9	4	13
Senile dementia,	18	16	34	-	-	-	-	1	1	1	-	-	21	11	32
Morphine habit,	1	1	2	-	1	1	-	-	-	-	-	-	-	1	1
Not insane,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total A,	114	119	233	21	11	32	20	5	25	12	18	30	2	7	9
													94	65	159

11. — *Discharges of the Insane, classified by Admissions and Results, and Deaths.*

NUMBER OF ADMISSIONS.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital, . . .	22	12	34	20	5	25	12	18	30	4	9	13	41	25	66	99	69	168
Second to this hospital, . . .	—	—	—	—	—	—	—	3	3	—	1	1	4	2	6	4	6	10
Third to this hospital, . . .	—	—	—	1	1	2	—	1	1	—	—	—	1	—	1	2	2	4
Seventh to this hospital, . . .	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Eighth to this hospital, . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Ninth to this hospital, . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Total cases, . . .	24	12	36	22	6	28	12	22	34	4	10	14	46	27	73	108	77	185
Total persons, . . .	23	12	35	22	6	28	12	22	34	4	10	14	46	27	73	107	77	184
First admitted to any hospital, . . .	21	11	32	20	5	25	12	18	30	2	7	9	39	24	63	94	65	159

12. — Causes of Death and Form of Mental Disease in Persons who died.

	ACUTE DELIRIUM.			CHRONIC ALCOHOLIC.			DEMENTIA PRÆCOX.			EPILEPSY.			INVOLUTION PSYCHOSIS.			MANIC DEPRESSIVE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General diseases: —																		
Carcinoma,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chronic rheumatism,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diabetes mellitus,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Gangrene of hand,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General peritonitis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General tuberculosis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Intestinal tuberculosis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Senility,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tubercular meningitis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the nervous system: —	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General paralysis of the insane,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Multiple sclerosis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the circulatory system: —	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arteriosclerosis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebral hemorrhage,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Endocarditis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Myocarditis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the respiratory system: —	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broncho pneumonia,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Œdema of the lungs,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pulmonary tuberculosis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the digestive system: —	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Intestinal obstruction,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the genito-urinary system: —	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chronic interstitial nephritis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Suicide by hanging,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	1	—	1	3	2	5	4	3	7	2	—	2	1	1	2	1	1	2

12. — Causes of Death and Form of Mental Disease in Persons who died — Concluded.

	ORGANIC DEMENTIA.			PARESIS.			SENILE DEMENTIA.			NOT INSANE.			TOTAL DISCHARGES AND DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General diseases: —															
Carcinoma,	—	—	—	—	—	—	—	1	1	—	—	—	—	2	2
Chronic rheumatism,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diabetes mellitus,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Gangrene of hand,	—	—	—	—	—	—	—	1	1	—	—	—	—	1	1
General peritonitis,	—	—	—	1	—	1	—	—	—	2	—	2	—	—	2
Intestinal tuberculosis,	—	—	—	—	—	—	—	—	—	1	—	1	—	—	1
Senility,	—	1	1	—	—	—	18	5	23	—	—	—	18	6	24
Tubercular meningitis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the nervous system: —															
General paralysis of the insane,	—	—	—	—	—	—	—	—	—	—	—	—	7	3	10
Multiple sclerosis,	—	—	—	8	3	11	—	—	—	1	—	1	—	1	1
Diseases of the circulatory system: —															
Arteriosclerosis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebral hemorrhage,	2	3	5	—	—	—	2	1	3	—	—	—	1	—	1
Endocarditis,	—	—	—	—	—	—	1	1	2	—	—	—	5	4	9
Myocarditis,	—	—	—	—	—	—	1	2	3	—	—	—	5	2	7
Diseases of the respiratory system: —															
Broncho pneumonia,	—	—	—	—	—	—	—	1	1	—	—	—	—	2	2
Œdema of the lungs,	—	—	—	—	—	—	—	—	—	—	—	—	1	1	2
Pulmonary tuberculosis,	—	—	—	—	—	—	—	—	—	—	—	—	2	—	2
Diseases of the digestive system: —															
Intestinal obstruction,	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Diseases of the genito-urinary system: —															
Chronic interstitial nephritis,	—	—	—	—	—	—	1	—	1	—	—	—	1	—	1
Suicide by hanging,	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Totals,	2	4	6	9	3	12	23	12	35	—	1	1	46	27	73

13. — *Duration of Mental Disease and its Treatment in Patients recovered or died.*

	FIRST ADMITTED TO ANY HOSPITAL.						ALL OTHER ADMISSIONS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Recoveries: —												
Under 1 month,	14	3	17	5	1	6	4	1	5	—	—	—
From 1 to 3 months,	1	5	6	6	2	8	5	1	6	—	—	—
3 to 6 months,	2	1	3	4	5	9	3	4	7	1	—	1
6 to 12 months,	2	1	3	2	1	3	4	2	6	1	—	—
1 to 2 years,	2	—	2	3	2	5	4	2	6	—	—	—
2 to 5 years,	—	1	1	—	—	—	—	1	1	—	—	—
5 to 10 years,	—	—	—	—	—	—	—	—	—	1	—	1
10 to 20 years,	—	—	—	1	—	1	1	—	—	—	—	—
Over 20 years,	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	21	11	32	21	11	32	21	11	32	1	1	2
Unknown,	—	—	—	—	—	—	—	—	—	1	—	1
Totals,	21	11	32	21	11	32	21	11	32	2	1	3
Average of known cases (in months),	1.9	6.09	3.34	15.	6.09	11.9	16.9	12.1	15.2	9	.3	4.8
										48.	.3	24.3

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No. 21

FIFTY-FIFTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON STATE HOSPITAL,

FOR THE

YEAR ENDING NOVEMBER 30, 1910.



BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.
1911.

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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

EMILY N. NEWTON,	<i>Holyoke.</i>
CAROLINE A. YALE,	<i>Northampton.</i>
F. W. CHAPIN, M.D., <i>Chairman,</i>	<i>Springfield.</i>
JOHN McQUAID,	<i>Pittsfield.</i>
HENRY L. WILLIAMS, <i>Secretary,</i>	<i>Northampton.</i>
CHARLES S. SHATTUCK,	<i>Hatfield.</i>
FRANKLIN E. SNOW,	<i>Greenfield.</i>

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,	<i>Superintendent.</i>
CHARLES H. DEAN, M.D.,	<i>Assistant Physician.</i>
HARRIET M. WILEY, M.D.,	<i>Assistant Physician.</i>
EDWARD W. WHITNEY, M.D.,	<i>Assistant Physician.</i>
C. STANLEY RAYMOND, M.D.,	<i>Assistant Physician.</i>
MABEL C. CRUTTENDEN, M.D.,	<i>Assistant Physician.</i>
LEWIS F. BABBITT,	<i>Clerk.</i>
WAVERLEY D. PACKARD,	<i>Engineer.</i>
SUSAN E. WARREN,	<i>Matron.</i>
CARL W. HAMMOND,	<i>Farmer.</i>

TREASURER.

LEWIS F. BABBITT,	<i>Northampton.</i>
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Office at the Hospital.

The Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital respectfully submit their fifty-fifth annual report.

There has been nothing unusual to record in the history of the hospital for the past year, but it has been a busy year, as may be seen by referring to the table of general statistics for the year. The number of different persons cared for has been larger than ever before, but the daily average number has been but little larger than last year, because of the frequent transfers of patients to other institutions by the State Board of Insanity.

The financial affairs of the institution have been well managed, as will appear from the treasurer's report. A considerable portion of the sum appropriated for maintenance for the year reverts to the State Treasury, not being needed, principally because the number of patients supported has been smaller than we were advised to expect. The cost per patient was the same as last year, \$3.87 per week.

The State Board of Insanity estimates that we shall have a daily average number of 883 patients for the coming year. To care for these we ask for the sum of \$180,000, our estimates being based on the expenditures of the past two years.

We recommend appropriations for the building and equipping of a new laundry and an addition to our bakery, with new ovens.

The rooms now used for laundry purposes were formerly the old engine room, boiler room, carpenters' shop and machine shop. They were remodeled and equipped as a laundry in 1893-94, and have been well adapted for such use till recently. In 1894

the number of patients and employees for whom the laundry work was done was about 550; at present there are nearly twice that number here. The space is now quite inadequate for the amount of work required, and the machinery is so old and worn as to need replacing.

Plans for a new building have been drawn, and estimates of its cost and the cost of machinery for equipping it have been submitted. These estimates amount to \$40,425.

The bakery oven has been in use sixteen years. During the past few years it has several times required repairing, at considerable expense and great inconvenience. Attention has been called to this matter in previous reports. New ovens are now needed to replace the old one and to increase the baking capacity. To accommodate these it is proposed to erect a building connected with the present bakery, one story high.

Plans have been made for these additions, and bids for building them have been submitted. The cost of building and equipment will be \$6,500.

It is with deep sorrow that we record the deaths of two of our associates, Mrs. Sarah A. Woodworth and Mr. Alvan Barrus. Mrs. Woodworth died suddenly on Feb. 1, 1910. She was appointed a member of our Board by Governor Robinson, in 1884, one of the two women to first serve on our Board. At the time of her death she was its senior member in point of service. From the first she took great interest in the affairs of the hospital, the welfare of the patients being always near her heart. She never missed a meeting of the Board unless unavoidably prevented, and she made many informal calls to visit the patients, who gladly welcomed her coming and were encouraged by her visits.

Mr. Barrus died March 28, 1910. Appointed in 1890, he had for twenty years taken a very active interest in all matters pertaining to the management of the hospital. During his term of service the hospital buildings were very largely remodeled and many additions were made. Mr. Barrus had much to do in the oversight of all these changes, serving on nearly every committee having charge of them. He was untiring in his zeal for whatever pertained to the welfare of the hospital and of its inmates. He had the deepest respect of his associates, of the officers and of the patients.

On March 1 Mr. Carl W. Hammond, who for several years had been in charge of the town farm of Amherst, was appointed head farmer, in place of Mr. Joseph G. Cook, who had resigned in order to manage his own farm:

EMILY N. NEWTON.

CAROLINE A. YALE.

F. W. CHAPIN, M.D.

JOHN McQUAID.

HENRY L. WILLIAMS.

CHARLES S. SHATTUCK.

FRANKLIN E. SNOW.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

I herewith respectfully present my report of the operations of the hospital for the year ending Nov. 30, 1910.

On Oct. 1, 1909, there were 888 patients under our care, either at the hospital or boarded out in private families, and 41 were out on trial visit.

Within the following year 320 patients were committed to the hospital, 16 came on voluntary commitment, 4 were transferred from other hospitals or from family care, 6 were returned from visit and 2 were returned from escape. The whole number of cases cared for was 1,236, — the largest number in the history of the hospital by 87. In addition to these, 35 cases were nominally admitted from visit for the purpose of discharge, making a total number of 1,271 on our records.

Our daily average number of patients, 852, though larger than ever before, was only 4 more than last year, notwithstanding the large number of admissions, being kept comparatively low by the transfer of patients to other institutions.

Of the patients who were admitted during the year, 43 per cent. were foreign born and 65 per cent. were of foreign parentage; 31 per cent. were born in Massachusetts. The average age of the men admitted was forty-three years and of the women forty-five years. Seventy of the persons admitted were over sixty years old, 37 of them being over seventy and 10 over eighty years old. The insanity was of long duration in more than 200 cases, and nearly 250 had a form of insanity from which recovery is not to be expected. The principal causes of the insanity, so far as ascertainable, were heredity, intemperance, organic brain disease and senility.

The number of cases dismissed was 416. This number includes 114 who were transferred to the Worcester State Asylum, to the State Colony for Insane at Gardner and to family care by the State Board of Insanity, and 58 who were out on trial visit at

the end of the year. Those discharged, 145 in number, include 33 who had recovered, 44 who were capable of self-support, 47 who showed more or less improvement, 16 who were not improved and 5 who were not insane voluntary cases. There were 87 deaths and 12 elopements.

The proportion of recoveries is about the average for a number of years, and is as large as can be expected, considering the mental condition of the patients when admitted. A brief study of the statistical tables will show that only a small number, comparatively, had favorable prospects of recovery. Many of the patients who were not credited by us with complete recovery are nevertheless considered well by relatives and friends, and quite a number who are not quite well at the time of discharge complete their recovery at home.

The percentage of deaths, based on the whole number cared for, was 7.04; on the daily average number, it was 10.2. Senile conditions caused the death of 30 patients; endocarditis, 7; myocarditis, 4; pulmonary tuberculosis, 2. A large proportion of those who died were old people, and in many of them the insanity had existed for years. Fourteen of them were over eighty years of age.

Twenty of the patients in the hospital during the year were voluntary cases, 15 of whom were not considered insane. Five of them had been here as patients previously, one or more times. Our experience leads us to favor this form of commitment, and it is hoped that it will be taken advantage of more freely as its opportunities become more widely known.

There were 10 patients boarded out in private homes during the year, under our supervision. Two of these were discharged, leaving 8 in family care at the end of the year.

Treatment of patients has been along the broad lines well understood and practised in most hospitals of to-day. We find most useful such general measures as removal of the causes of insanity so far as possible, regulation of the bodily health and diversion in the forms of work and play. To keep the mind occupied in a way to exclude the morbid thoughts and insane ideas is to promote the prospects of recovery and improvement.

Little reliance is placed upon treatment by drugs. Of therapeutic measures, hydrotherapy and rest are found most successful.

Our experience with hydrotherapy has been frequently recorded in former reports. Increasing use is being made of rest in bed for all disturbed conditions. Many of the new patients are put to bed on admission, where they are kept for periods varying from a few days to a few weeks, or even longer. This ensures much-needed rest, and affords better opportunity for observation and study by nurses and physicians. It has been noticed that this has an excellent mental effect upon the patient. He is likely to consider himself a patient in a hospital, undergoing treatment, rather than a person under detention. Rest in bed occasionally is also exceedingly beneficial for patients who are subject to periodical attacks of nervousness or of acute mental disturbance.

Inasmuch as many of our patients leave the hospital for a trial visit at home before they have fully recovered, our sense of responsibility does not end with their departure from the hospital. They are encouraged to write us freely for advice whenever they feel need of it, or to visit us at the hospital; and are requested to send a written report of their condition before they are finally discharged.

It is so obviously the duty of the hospital to help its patients to keep well after their discharge, that it would also seem appropriate and advisable as a measure of prevention for one of the hospital physicians to see, in consultation with the family physician, at no expense to the patient, not only cases that are likely to be committed to the hospital, but any case where the question of hospital treatment is being considered. This would entail added expense to the hospital, and would probably require an additional member on the hospital staff; but the good to the community and final saving to the State might more than offset the expense incurred. We have done a little along this line for years, having seen and advised, without charge, any patient, or his friends or physician, who has been willing to come to the hospital for that purpose. Sometimes a course of treatment can be advised that will enable a patient to be cared for at home, who otherwise would have to be committed to the hospital. On the other hand, it is occasionally possible to persuade a patient to accept early hospital treatment with prospect of speedier recovery than if commitment had been delayed.

In treatment of our patients, one of the most important factors is the personal attention given by the medical attendant and by the nurses. A large measure of success is due to intelligent nursing. Our training schools are thus doing excellent work. Unfortunately, the number of nurses we can secure is too small for our needs. There are so many State and city institutions and private hospitals needing nurses, that the demand always exceeds the supply, especially in these days of plentiful opportunities for obtaining work of a more agreeable nature than caring for patients in a State institution.

The work of training in our school has gone forward successfully with a large class this year, though the graduating class was small. Four nurses, Misses Dean, Kelley, Manning and Scholz, were graduated in October. Miss Bedell had direction of the school, assisted by Miss Watson. The lectures, 65 in number, were given by members of the staff. Miss Hedges gave 14 lessons in special cooking for invalids.

Patients have been kept busily employed in the various departments of the hospital. It is considered advisable, as beneficial to the patient, that every one physically able shall have some form of employment. For those not strong physically, this may be limited to the care of each one's bed room, to sweeping or dusting the corridors, washing dishes and like work. The stronger patients are employed in the kitchen, laundry, sewing rooms, at the shops and on the farm. Out-of-door work is undoubtedly best suited to the largest number. Gardening, farm work and grading, under the direction of an employee, do not entail mental effort; they easily divert the minds of the patients and tend to improve the physical condition. The male patients have always helped on the farm, in large numbers. Now the women are working out in increasing numbers, picking strawberries, raspberries, blackberries, currants and pease; and for two or three years a few of them have had plots of ground to cultivate. This has added greatly to their pleasure and contentment. They select for themselves what they wish to raise, flowers or vegetables. The latter they use on their own tables as salads and relishes. Pickles and preserves are made for winter use. The women knit mittens, shoulder capes, caps and bedroom slippers, to be used on the Christmas tree as gifts for other patients.

Many repairs are needed every year in an institution as old as this. Each employee engaged in making these repairs has one or more patients as helpers. Patients have painted the walls and ceilings in the male department; have caned the seats of chairs and mended broken furniture; repaired boots and shoes; have made all the new mattresses and remade old ones. All of the tin ware used in the hospital is made by one of the patients. The grounds to the west and north of the infirmary for men have been graded by the patients, and they have helped in laying cement walks near the kitchen and laundry. A new cement walk, 1,850 feet in length, has been laid along the highway from the bridge on West Street to the entrance to our grounds at the top of the hill. The city of Northampton laid half of this and the hospital the rest. The part built by the hospital was done largely with patients' help.

In accordance with the suggestions in our report of a year ago, the house near our main entrance, formerly occupied by our head farmer, has been remodeled to accommodate a small family and four married couples, nurses and attendants. This is now nearly ready for use.

The old "Day" barn, so called, has been remodeled on the ground floor to accommodate 30 calves, and the basement floor is now being changed to make more convenient accommodations for about 40 steers.

In addition to the routine farm work, about eight acres of land on the west side of Sunset hill was cleared of stones and plowed, and a mile and a half of wire fencing was built at various places on the farm.

The table of farm products will show the past season to have been a prosperous one. There was an excellent crop of hay and of corn. The yield of potatoes was only fair, however, and some of the other vegetables suffered from the drouth. The total market value of farm products is \$50,417.85.

We continue the custom of testing our entire herd of cows for tuberculosis each year, and of immunizing the calves. It is believed that our herd is as nearly free from tuberculosis as it is possible to secure.

There have been 159 assemblies of patients during the year, as follows: religious services were held on each Lord's Day, conducted by the different clergymen of this vicinity; there were

readings on fifty evenings, stereopticon lectures on three evenings, piano concerts on three evenings, phonograph concerts on two evenings, card parties on two evenings and dancing parties on twenty-six evenings. In addition to the above, there were the following entertainments: December 6, dramatic reading, "Martin Chuzzlewit," Mr. Truman; December 14, dramatic readings, Mr. Frye; December 20, violin, piano and song recital, Mr. and Mrs. Wheeler and Miss Lord; December 24, Christmas tree; February 12, Oxford Entertainment Club of Trinity Church, Springfield; February 22, piano and song recital, Mr. Bradley and Mr. Hewett; February 28, music and legerdemain, Mr. Harrell; March 7, dramatic readings, Mrs. Moulton; March 23, violin and piano recital, Mr. and Mrs. Angeloty; March 28, concert by the Misses Woods; April 2, vaudeville by the Oxford Club of Trinity Church, Springfield; April 12, character sketches by Mr. Blood; May 3, songs and readings, Mr. Reynolds; May 17, ventriloquism, Mr. Prescott; May 31, concert by the Peterson family; June 4, concert by "The Marshalls;" July 4, band concert; October 12, training school graduation; October 20, dramatic reading and dancing, Mrs. Richings; October 24, music and short stories, Mr. Lorraine; October 31, Hallowe'en party; November 9, piano and banjo recital, Mr. Bill and Mr. Strout; November 26, legerdemain, Mr. Springer.

We have received gifts from friends of the hospital and its patients, for which we are very grateful. We wish to express our appreciation to the following persons: for presents for the Christmas tree, Mrs. W. T. Parker, Mrs. J. L. Egbert, Mrs. Russell, Miss Vincens, Mrs. R. C. Lucius, Miss Jennie Allard and Miss Florence Austin; Miss Florence Austin, for subscriptions to two copies of the "Youths' Companion;" Miss May B. Dickinson, for crepe paper for decorations at Christmas and Hallowe'en; for magazines and papers, Mrs. Pomeroy, Mrs. Ganong, Mrs. M. L. Graves, Mrs. Louis Graves, Miss Barber, Mrs. E. S. Ross, Mr. Charles E. Barton, Mrs. L. D. James and Mr. Clifford H. Lyman; "Christian Register," "Dumb Animals," "New Church League Journal" and "The Healthy Home Quarterly" have been regularly received from their publishers.

JOHN A. HOUSTON,

Superintendent.

DIETARY OF THE NORTHAMPTON STATE HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about three hundred persons and the second to the remainder. In addition to these, about 190 quarts of egg and milk are taken through the wards between meals and at bed time and distributed to the old, the feeble and the convalescent cases.]

BILL OF FARE No. 1.

BREAKFAST.

- Monday.* — Tea, coffee, oatmeal, broiled beefsteak or eggs, potatoes, corn cake, bread and butter.
- Tuesday.* — Tea, coffee, oatmeal, fried tripe, potatoes, warm rolls, sausage in winter, bread and butter.
- Wednesday.* — Tea, coffee, oatmeal, broiled beefsteak or eggs, potatoes, warm brown (rye or Indian) bread.
- Thursday.* — Tea, coffee, oatmeal, broiled beefsteak, potatoes, warm rolls, bread and butter.
- Friday.* — Tea, coffee, oatmeal, fried tripe, potatoes, warm rolls, pork steak in winter, bread and butter.
- Saturday.* — Tea, coffee, oatmeal, either fried fish-balls or liver, meat hash, hot corn cake, bread and butter.
- Sunday.* — Tea, coffee, oatmeal, eggs, potatoes, bread and butter.

DINNER.

- Monday.* — Roast beef, potatoes and one other vegetable, bread and butter, boiled rice with syrup or sugar.
- Tuesday.* — Vegetable soup, roast or stewed veal or beef, roast pork in winter, potatoes and one other vegetable, bread and butter, corn meal mush.
- Wednesday.* — Either roast pork or beef, potatoes and one other vegetable, bread and butter, berry or apple pudding, with sauce.
- Thursday.* — Vegetable soup, corned beef, potatoes and one other vegetable,¹ bread and butter, boiled suet pudding with syrup.

¹ At least three vegetables during the summer.

Friday. — Either fried or baked fresh fish,¹ potatoes and one other vegetable, bread and butter, tapioca pudding or raisin pudding of either rice, bread or cracker.

Saturday. — Baked beans, corned beef, potatoes and one other vegetable, pickles, bread and butter and baked bread pudding.

Sunday. — Stewed mutton or boiled shoulders, potatoes, pickles, bread and butter and pies, the kind varying with the season.

SUPPER.

Monday. — Tea, bread and butter, soft gingerbread and a relish.²

Tuesday. — Tea, bread and butter, soft gingerbread and a relish.²

Wednesday. — Tea, bread and butter, pie (varying with the season), graham bread and cheese.

Thursday. — Tea, bread and butter, cookies and a relish.²

Friday. — Tea, bread and butter, cake (the kind varying) and a relish.²

Saturday. — Tea, bread and butter, cookies and ginger snaps and blancmange or corn starch and sauce. Hulled corn once in two weeks.

BILL OF FARE No. 2.

BREAKFAST.

Monday. — Coffee, oatmeal, boiled eggs, potatoes, bread and butter.

Tuesday. — Coffee, oatmeal, cold roast beef, potatoes, bread and butter.

Wednesday. — Coffee, oatmeal, boiled eggs, potatoes, bread and butter.

Thursday. — Coffee, oatmeal, pickled codfish cooked in milk, potatoes, bread and butter.

Friday. — Coffee, oatmeal, cold corned beef, potatoes, bread and butter.

Saturday. — Coffee, oatmeal, hash, either meat or fish, bread and butter.

Sunday. — Coffee, oatmeal, boiled eggs, potatoes, bread and butter.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable, boiled hominy with molasses, bread and butter.

Tuesday. — Vegetable soup, potatoes and one other vegetable, bread, cornmeal mush with syrup.

Wednesday. — Boiled codfish, potatoes and one other vegetable, boiled hasty pudding with molasses, bread and butter.

Thursday. — Vegetable soup, potatoes, cabbage or some other vegetable, boiled rice with molasses, bread and butter.

Friday. — Boiled fresh fish, potatoes, beets or some other vegetable, boiled hasty pudding with molasses, bread and butter.

Saturday. — Hot baked beans, potatoes, pickles, bread and butter, bread pudding.

Sunday. — Cold corned beef, potatoes, pies, bread and butter.

¹ Substituted by stewed oysters in winter, with some kind of roasted meat for those who prefer it.

² This term, used for want of a better, includes dried beef, berries, baked apples, apple sauce and canned fruit, all of which are supplied, and each according to the season.

SUPPER.

Monday. — Tea, bread and butter, gingerbread.

Tuesday. — Tea, bread and butter, soft gingerbread.

Wednesday. — Tea, bread and butter, gingerbread and some kind of relish.

Thursday. — Tea, bread and butter, cookies.

Friday. — Tea, bread and butter, soft gingerbread.

Saturday. — Tea, bread and butter, cake, sauce.

Sunday. — Tea, bread and butter, cookies.

EXTRAS.

Hulled corn at supper on Saturdays.

In August and September these tables are furnished with either berries, tomatoes or baked apples as many as five times a week.

In eight halls, sauce of either fresh or dried apples is furnished five times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day and on Christmas, with vegetables, celery, cranberry sauce, pudding, pie and cider.

From four to five barrels of green sweet corn in the ear are consumed in its season, daily, with the exception of Sunday.

Strawberries, tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring spinach and Swiss chard are largely used as greens, and horse-radish as a condiment.

Beef tea, chicken broth, mutton broth, scalded milk, oatmeal gruel, milk punch, oatmeal porridge, dry toast, milk toast, toast with dropped eggs, meat hash, beef steak, grape juice, jelly, canned fruit and fresh fruit for invalids and all who are not able to take the regular fare.

Three halls have fresh fruit for dinner on Sundays, Tuesdays and Fridays.

ARTICLES MADE IN SEWING ROOM.

Aprons,	406	Holders,	167
Baseball bases,	3	Kimonos,	2
Bath robes,	15	Lard strainers,	6
Bibs,	13	Mattress ticks,	110
Blanket, ox,	1	Milk cloths,	176
Bureau covers,	269	Napkins,	360
Canvas hammock,	1	Night gowns, long,	46
Caps,	445	Night gowns, short,	550
Clothes bags,	130	Petticoats,	174
Chemises,	72	Pillow cases,	1,585
Corset covers,	16	Pillow ticks,	16
Couch cover,	1	Pneumonia jackets,	2
Curtains, lace,	4	Rugs, bound,	77
Curtains, sash,	78	Rugs, made,	2
Curtains, screens,	24	Sheets,	2,146
Curtains, shades,	314	Shirts,	730
Cushions covered,	2	Shirt waists,	17
Cover for laundry extractor,	8	Stand covers,	389
Dresses,	211	Table cloths	117
Dress skirts,	2	Towels,	3,388
Dressing sacque,	1	Towels, roller,	14
Dresses for baby,	2	Tray cloths,	207
Drawers,	81	Articles repaired,	51,005
Dust cloths,	13		

UPHOLSTERY DONE IN THE YEAR.

Hair mattresses made, new material,	14
Hair mattresses made, old material,	516
Hair mattresses made, old hair, new ticks,	97
Hair pillows made, new material,	45
Hair pillows made, old material,	60
Chairs caned,	37

PRESERVING DONE IN KITCHEN DEPARTMENT.

Blueberries, quarts,	50	Tomatoes, quarts,	205
Cherries, quarts,	49	Tomato chow-chow, quarts, . .	100
Citron, quarts,	56	Tomato sweet pickles, quarts, .	42
Currant jam, quarts,	50	Tomato ketchup, quarts, . . .	90
Currant and raspberry jam, . .	13	Apple jelly, glasses,	20
Gooseberry jam, quarts,	50	Barberry jelly, glasses,	10
Grape juice, quarts,	56	Currant jelly, glasses,	140
Pears, quarts,	25	Currant jelly, quarts,	14
Quince, quarts,	26	Gooseberry jelly, glasses, . . .	5
Raspberries, quarts,	43	Grape jelly, glasses,	60
Rhubarb, quarts	152	Grape marmalade, quarts, . . .	28
Strawberries, quarts,	156	Mint jelly, glasses,	14
Cucumber pickles, barrels, . .	3	Quince jelly, glasses,	16
Cucumber pickles, gallons, . .	20	Raspberry jelly, glasses, . . .	28
Pepper hash, quarts,	20		

OFFICERS AND EMPLOYEES.

[Time employed, Nov. 30, 1910.]

NAMES.	Years.	Months.	Days.
John A. Houston, M.D., superintendent,	21	2	7
Harriet M. Wiley, M.D., assistant physician,	10	9	29
Charles H. Dean, M.D., assistant physician,	10	6	21
Edward W. Whitney, M.D., assistant physician,	5	2	11
C. Stanley Raymond, M.D., assistant physician,	4	5	11
Mabel C. Cruttenden, M.D., assistant physician,	1	1	19
Lewis F. Babbitt, treasurer,	19	1	18
Burton G. Fiske, supervisor,	7	1	15
Alice E. Bedell, superintendent of nurses,	8	3	20
Susan E. Warren, matron,	16	8	8
Martha G. Jones, secretary to superintendent,	17	4	11
Carl W. Hammond, farmer,	—	9	—
William J. Moore, assistant steward,	14	1	3
Ord Thomas, assistant steward,	1	2	9
Rachel C. Packard, stenographer,	1	7	—
Susan E. Norton, clothes marker,	2	7	29
Jay E. Cook, baker,	11	9	—
Leon E. Bruce, assistant baker,	5	5	4
George W. Thorniley, florist,	17	7	11
Waverley D. Packard, engineer,	3	5	13
Thomas Butterworth, assistant engineer,	3	—	17
William C. Day, assistant engineer,	12	7	29
Gottlieb Beer, fireman,	3	—	12
Isaac Fisk, fireman,	1	8	24
Earl Kron, fireman,	3	5	8
Francis A. Pond, fireman,	2	4	5
Grover Wentzel, fireman,	1	—	2
Helfrid N. Fiske, seamstress,	4	10	19
Addie M. Woods, assistant seamstress,	—	7	20
Charles E. Williams, laundryman,	13	2	29
Margaret E. Colton, laundress,	—	6	18
Nora Day, laundress,	—	9	4
Katherine McGrath, laundress,	2	5	17
Ellen Moore, laundress,	4	5	2
Addie J. West, laundress,	—	2	19
Rose Duprey, usher,	—	8	27
Jennie Ryan, usher,	2	7	5
Harriet E. Briggs, housemaid,	9	3	22
Kate Flaherty, housemaid,	1	—	27
Mabel Tacy, housemaid,	1	8	16
Sara Thomas, housemaid,	—	2	26

NAMES.	Years.	Months.	Days.
Mary E. Shea, center dining room,	3	6	3
Stella Bock, kitchenmaid,	—	4	5
Helen Flaherty, kitchenmaid,	2	1	2
Agnes Gotski, kitchenmaid,	—	7	18
Nellie McGrath, kitchenmaid,	3	7	—
Tessy Pvorcan, kitchenmaid,	—	—	26
James Ruddy, kitchen,	3	1	26
Josie Hurd, cook,	1	5	10
Mary Minihan, cook,	1	2	29
Harry W. Love, watchman,	6	11	22
Fred D. Aldrich, nurse,	10	11	18
Alexander Beaton, nurse,	5	4	14
George Begor, nurse,	3	2	9
John J. Bradley, nurse,	2	6	18
Robert J. Courtney, nurse,	2	7	27
N. D. Crosby, nurse,	—	11	21
Willard P. Crowe, nurse,	—	5	18
Peter Dufresne, nurse,	1	2	3
Michael Dunn, nurse,	—	2	2
Edward E. Dyer, nurse,	—	10	14
John E. Green, nurse,	—	6	2
Axel Gustafson, nurse,	—	6	30
John Harkness, nurse,	—	1	15
John Jennings, nurse,	—	1	24
Arthur Joslyn, nurse,	4	1	27
Chester Kenney, nurse,	2	3	12
Samuel H. Lynas, nurse,	1	1	19
Thomas J. Lynas, nurse,	—	3	1
Wm. F. McNulla, nurse,	—	6	29
Michael McCaffrey, nurse,	1	1	13
Alex McClean, nurse,	—	3	1
Wm. McKee, nurse,	—	1	18
Hubert McNierney, nurse,	1	2	2
James Moore, nurse,	3	1	27
Alfred E. Owen, nurse,	1	9	12
Chas. M. Pease, nurse,	4	6	6
Chas. Percy, nurse,	2	11	15
Peter W. Roberts, nurse,	—	3	6
William H. Rogers, nurse,	—	6	28
Harold P. Shorey, nurse,	1	7	2
Harry Weymouth, nurse,	—	9	2
William B. Mack, nurse,	—	—	24
Joseph Gardner, nurse,	—	—	24
George Avery, nurse,	—	—	19
Harold E. Mason, nurse,	—	—	16
Goldie Bickford, nurse,	2	2	—
Euphemia Boyd, nurse,	—	5	15
Jeanie Boyd, nurse,	—	1	2
N. Mertie Bradley, nurse,	—	9	20
Mabel Dean, nurse,	3	6	7
Lulu Drew, nurse,	3	2	12

NAMES.	Years.	Months.	Days.
Blanche Dunnick, nurse,	—	10	20
Lulu Dyer, nurse,	—	8	30
Vera G. Dyer, nurse,	—	10	14
Agnes Farrington, nurse,	1	3	—
Isobel Ferguson, nurse,	2	3	27
Margaret Hopkin, nurse,	—	1	2
R. Ethel Hunter, nurse,	—	3	27
Annie M. Keating, nurse,	—	3	17
Margaret Kelly, nurse,	2	7	—
Lillian Love, nurse,	5	8	5
Elizabeth MacNeil, nurse,	—	2	1
Effie Mahy, nurse,	6	4	24
Evelyn Manning, nurse,	2	4	—
Katherine McDonald, nurse,	—	7	4
Alice McNierney, nurse,	1	5	15
Kathryn McNierney, nurse,	—	5	22
Mrs. Wm. H. Rogers, nurse,	—	6	28
Mary Ryan, nurse,	1	6	22
Lillie Scholz, nurse,	1	1	6
Edna E. Shorey, nurse,	1	7	2
Annie Smith, nurse,	3	11	—
Blanche Smith, nurse,	3	2	—
Emily Stewart, nurse,	6	—	2
Margaret Tobin, nurse,	1	9	21
N. Eulalie Turner, nurse,	1	3	22
Catherine M. Waters, nurse,	—	9	17
Niola Watson, nurse,	3	9	20
Florence Weymouth, nurse,	—	9	2
Phoebe Wheeler, nurse,	4	5	19
Ruth Wilson, nurse,	1	2	22
Mrs. Mary Gardner, nurse,	—	—	24
Mrs. Gertrude Avery, nurse,	—	—	19
A. C. Burnett, painter,	4	6	28
Thomas P. Clair, plumber,	12	7	—
Albert DeGrandpre, carpenter,	5	10	—
Geo. W. Gaylor, painter,	—	10	20
Henry Maynard, carpenter,	2	5	22
M. L. Sornborger, plumber,	7	—	6
Roscoe Tobin, plumber,	8	—	28
Walter M. Tower, carpenter,	32	10	—
Orrin Blodgett, farmer,	4	4	8
Joe Coloskie, farmer,	—	5	4
James Denny, farmer,	2	1	24
Xavier Dion, farmer,	17	5	16
Joe Drozdial, farmer,	—	5	7
Michael Drozdial, farmer,	1	7	10
Thomas Drozdial, farmer,	6	—	—
Frank Hurd, farmer,	1	5	10
Martin Pvorcan, farmer,	—	8	16
David Mercier, coachman,	33	9	13
Charles Nutting, farmer,	—	2	19

NAMES.	Years.	Months.	Days.
H. Ohrstrom, gardener,	4	5	25
Frank Sanborn, farmer,	3	6	22
Frank Smith, farmer,	—	5	12
Jerry Sullivan, farmer,	—	7	18
Steve Stepno, farmer,	—	6	7
Walter Streeter, herdsman,	7	3	1
Mike Sygmont, farmer,	—	6	17
Alex G. Wylie, gardener,	5	11	27
Rufus Miner, farmer,	—	7	—

LIST OF PERSONS REGULARLY EMPLOYED AT THE NORTHAMPTON STATE HOSPITAL.

Superintendent and physician (per year),	\$3,000 00
Assistant physician (per year),	1,300 00
Assistant physician (per year),	1,100 00
Assistant physician (per year),	1,000 00
Assistant physician (per year),	900 00
Assistant physician (per year),	500 00
Treasurer and clerk (per year),	1,800 00
Engineer, with house rent (per year),	1,100 00
Farmer, with house rent (per month),	80 00
Florist, without board (per year),	700 00
Matron (per month),	40 00
Supervisor (per month),	55 00
Superintendent of nurses (per month),	50 00
Assistant superintendent of nurses (per month),	45 00
Assistant to superintendent of nurses (per month),	40 00
Secretary to superintendent (per month),	40 00
Stenographer (per month),	25 00
Seamstress (per month),	25 00
Assistant seamstress (per month),	20 00
Laundryman (per month),	50 00
Laundresses (5) (per month),	\$17 00 to 22 00
Baker (per month),	60 00
Assistant baker (per month),	40 00
Steward, with partial board (per month),	62 50
Assistant steward (per month),	50 00
Assistant steward (per month),	50 00
Nurses (men, 40) (per month),	\$25 00 to 35 00
Nurses (women, 40) (per month),	21 00 to 30 00
Ushers (2) (per month),	18 00
Housemaids (4) (per month),	18 00

Waitresses (1) (per month),	\$18 00
Cooks (2) (per month),	\$25 00 to 30 00
Kitchen girls (5) (per month),	16 00 to 18 00
Clothes marker (per month),	20 00
Painter, with house rent (per day),	2 50
Painter (per day),	2 50
Assistant engineers (2) (per month),	\$51 00 to 60 00
Firemen (5) (per month),	33 00 to 44 00
Coachman (per month),	42 50
Farm laborers (10) (per month),	\$25 00 to 40 00
Herdsmen (per month),	37 50
Gardeners (2) (per month),	\$50 00 to 55 00
Watchman (per month),	40 00
Kitchen helper (per month),	29 00
Carpenter (per day),	2 75
Carpenter (per day),	2 75
Carpenter (per day),	2 50
Plumber, with house rent (per year),	1,000 00
Plumber, with house rent (per month),	55 00
Plumber (per day),	2 25

FARM PRODUCTS.

Apples, 309 barrels,	\$927 00
Asparagus, 6 boxes,	27 00
Beans, lima, improved, 52 bushels,	78 00
Beans, shell, 44 bushels,	55 00
Beans, wax string, 45 bushels,	33 75
Beef, cow, 13,170 pounds,	921 90
Beef, steer, 29,652 pounds,	2,965 20
Beets, greens, 16½ bushels,	5 78
Beets, table, 251 bushels,	150 60
Blackberries, 8 quarts,	80
Broom brush, 4,675 pounds,	374 00
Broom brush seed, 85 bushels,	42 50
Brussels sprouts, 184 quarts,	20 24
Cabbage, 40 tons,	400 00
Carrots, 28 bushels,	16 80
Cauliflower, 114 heads,	11 40
Celery, 230 boxes,	230 00
Cherries, 128 quarts,	12 80
Chickens, broilers, 385 pounds,	107 80
Chickens, roasters, 262 pounds,	62 88
Cider, 410 gallons,	41 00
Citron, 36 crates,	63 00
Corn fodder, 111 tons,	555 00
Corn, green, 957 bushels,	717 75
Corn, shelled, 810 bushels,	607 50
Cucumbers, 125 boxes,	187 50
Cucumbers, pickles, 20 bushels,	60 00
Currants, 1,287 quarts,	141 57
Eggs, 1,682½ dozen,	504 75
Ensilage, 500 tons,	2,500 00
Fowl, 850 pounds,	153 00
Gooseberries, 408 quarts,	44 88
Grapes, 433 pounds,	12 99
Hay, 423.42 tons,	8,889 00
Ice, 720.56 tons,	2,161 70
Lettuce, doghead, 112 boxes,	84 00

Amount carried forward, \$23,167 09

<i>Amount brought forward,</i>		\$23,167 09
Lumber, 15,500 feet,		434 00
Melons, musk, 88 crates,		154 00
Melons, water, 1,925,		288 75
Milk, 243,116 quarts,		14,586 96
Onions, 33 bushels,		28 05
Parsley, 2½ bushels,		1 25
Parsnips, 348 bushels,		348 00
Peaches, 11 baskets,		11 00
Pears, 26 bushels,		45 50
Pease, 106 bushels,		106 00
Peppers, 1½ bushels,		1 13
Pigs, roast, 2,		9 00
Plums, 3 baskets,		90
Pork, 55,718 pounds,		5,571 80
Posts, fence, 128,		32 00
Potatoes, 2,046 bushels,		1,432 20
Potatoes, sweet, 1 barrel,		2 50
Pumpkins, 2,640 pounds,		79 20
Quince, 1½ bushels,		3 00
Radishes, hothouse, 637 dozen bunches,		159 25
Raspberries, 64 quarts,		12 80
Rhubarb, 10,024 pounds,		200 48
Spinach, 447 bushels,		178 80
Squash, summer, 22 barrels,		22 00
Squash, winter, 18 tons,		540 00
Strawberries, 5,855 quarts,		585 50
Tomatoes, ripe, 257 bushels,		188 25
Tomatoes, green, 30 bushels,		15 00
Turnips, 200 barrels,		250 00
Wood, 47 cords,		211 50
Total,		<hr/> \$48,665 91
Sales:—		
Calves,		\$426 65
Hay,		225 59
Hides,		527 74
Ice,		13 30
Pigs,		526 91
Sundries,		31 75
Total,		<hr/> 1,751 94
Total farm product,		<hr/> \$50,417 85

Live stock belonging to the hospital: —

Bulls, 3,	\$500 00
Cows, 66,	4,950 00
Fowls, 499,	499 00
Heifers, 47,	1,380 00
Hogs, 425,	3,045 00
Horses, 17,	3,175 00
Oxen, 18,	1,800 00
<hr/>	
Total,	\$15,349 00

VALUATION.

REAL ESTATE.

Grounds and building sites, 23 acres,	\$4,861 20
Woodland, 93 acres,	19,655 55
Mowing, 110 acres,	23,248 50
Pasturage, 185 acres,	39,099 75
Tillage, 100 acres,	21,135 00
Hospital building,	616,619 00
Farmhouse,	1,500 00
Brick house,	1,700 00
Three dwellings,	5,500 00
Cold storage,	30,000 00
Two barns,	5,500 00
Cow stable,	13,000 00
Horse stable,	6,000 00
Piggery,	3,000 00
Lumber shed,	850 00
Cart shed,	400 00
Pump house,	400 00
Ice house,	800 00
Paint shop,	2,039 00
Total real estate,	<hr/> \$795,308 00

PERSONAL ESTATE.

Provisions and groceries,	\$9,290 94
Clothing and clothing material,	3,437 26
Furnishings,	36,582 58
Fuel,	4,313 36
Machinery and mechanical fixtures,	21,138 37
Live stock on the farm,	15,349 00
Produce of the farm on hand,	14,198 97
Carriages and agricultural implements,	5,547 21
Miscellaneous,	3,740 96
Unexpended balance of maintenance appropriation,	34,494 83

Amounts carried forward,

\$148,093 48

\$795,308 00

Amounts brought forward, \$148,093 48 \$795,308 00

Unexpended balance of special appropriation		
(non-revertible),	86 84	
Accounts receivable,	12,284 69	
Cash on hand: —		
Office,	764 98	
Bank,	1,556 19	
Patients' money,	1,771 73	
Endowments, etc.,	677 61	
	<hr/>	165,235 52
<hr/>		
Total personal estate,		\$960,543 52

ACCOUNTS PAYABLE.

Maintenance,	\$12,707 97	
Special,	80 00	
	<hr/>	\$12,887 97
Trust funds: —		
Patients' money,	\$1,771 73	
Endowments,	677 61	
	<hr/>	2,349 34
Excess of resources over liabilities,	945,306 21	
	<hr/>	\$960,543 52
<hr/>		
Current expenses,	\$171,313 14	
Average number of patients,	847	
Average weekly cost,	\$3 87	

STATEMENT OF FUNDS.

Patients' Funds.

On hand, Nov. 30, 1909,	\$1,384 59	
Receipts,	1,675 17	
	<hr/>	\$3,059 76
Refunded,		1,288 03
		<hr/>
Balance on hand Nov. 30, 1910,		\$1,771 73

Fred B. Kelly Fund.

Balance Nov. 30, 1909,	\$652 92	
Income,	24 69	
	<hr/>	
Balance on hand Nov. 30, 1910,		\$677 61

TREASURER'S REPORT.

To the Trustees of the Northampton State Hospital.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1910:—

CASH ACCOUNT.

Balance Dec. 1, 1909,		\$1,068 64
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Receipts.

Institution Receipts.

Board of inmates:—

Private,	\$33,664 53	
Reimbursements,	14,799 16	

\$48,463 69

Sales:—

Food,	\$249 90	
Clothing and materials,	245 83	
Miscellaneous,	445 97	

941 70

Farm, stable and grounds:—

Cows and calves,	\$426 65	
Pigs and hogs,	526 91	
Hides,	527 74	
Ice,	13 30	
Vegetables,	1 25	
Sundries,	291 20	

1,787 05

Miscellaneous receipts:—

Interest on bank balances,	\$136 75	
Sundries,	60 00	

196 75

51,389 19

Receipts from Treasury of Commonwealth.

Maintenance appropriations:—

Balance of 1909,	\$8,731 46	
Advance money (amount on hand November 30),	5,000 00	
Approved schedules of 1910,	158,505 17	

172,236 63

Special appropriations,		787 93
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Total,		\$225,482 39
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Payments.

To treasury of Commonwealth, institution receipts,	\$51,389 19	
Maintenance appropriations: —		
Balance November schedule, 1909,	9,800 10	
Eleven months' schedules, 1910,	158,505 17	
November advances,	2,678 83	
		\$222,373 29
Special appropriations: —		
Approved schedules (less advances of November, 1909),		787 93
Balance, November 30, 1910: —		
In bank,	\$1,556 19	
In office,	764 98	
		2,321 17
Total,		\$225,482 39

MAINTENANCE.

Appropriation,	\$193,000 00
Expenses (as analyzed below),	171,313 14
Balance reverting to treasury of Commonwealth,	\$21,686 86

Analysis of Expenses.

Salaries, wages and labor: —	
General administration,	\$17,882 42
Medical service,	7,800 00
Ward service (male),	12,163 47
Ward service (female),	11,327 44
Repairs and improvements,	6,127 34
Farm, stable and grounds,	8,874 17
	\$64,174 84
Food: —	
Butter,	\$8,928 70
Butterine,	85 52
Beans,	466 56
Bread and crackers,	749 19
Cereals, rice, meal, etc.,	1,126 20
Cheese,	285 52
Eggs,	8,029 08
Flour,	5,898 69
Fish,	2,543 36
Fruit (dried and fresh),	1,714 12
Meats,	6,957 54
Milk,	118 50
Molasses and syrup,	414 46
Sugar,	3,291 89
Tea, coffee, broma and cocoa,	1,710 58
Vegetables,	1,305 05
Sundries,	1,280 01
	46,904 97
Amount carried forward,	\$111,079 81

Amount brought forward,

\$160,266 91

Miscellaneous:—

Books, periodicals, etc.,	\$211 30	
Chapel services and entertainments,	882 50	
Freight, expressage and transportation,	257 66	
Funeral expenses,	27 00	
Medicines and hospital supplies,	830 55	
Medical attendance, nurses, etc. (extra),	823 22	
Postage,	181 58	
Printing and printing supplies,	124 77	
Printing annual report,	167 53	
Return of runaways,	39 82	
Soap and laundry supplies,	1,429 96	
Stationery and office supplies,	701 10	
Travel and expenses (officials),	652 67	
Telephone and telegraph,	156 63	
Tobacco,	1,083 50	
Water,	2,728 12	
Sundries,	748 32	
		11,046 23
Total expenses for maintenance,		\$171,313 14

SPECIAL APPROPRIATIONS.		
Balance Dec. 1, 1909,		\$1,402 61
Total,		\$1,402 61
Expended during the year (see statement annexed),	\$787 93	
Reverting to treasury of Commonwealth,	527 84	
		1,315 77
Balance Nov. 30, 1910,		\$86 84

RESOURCES AND LIABILITIES.		
Resources.		
Cash on hand,	\$2,321 17	
November cash vouchers (paid from advance money),	2,678 83	
Due from treasury of Commonwealth, account November, 1910, schedule,	7,807 97	
		\$12,807 97
Liabilities.		
Schedule of November bills,		\$12,807 97

Special Appropriations.

OBJECT.	Act or Resolve.	Whole Amount.	Expended during Fiscal Year.	Expended to Date.	Balance at End of Year.
Installation of better water supply, . . .	Acts 1906, chap. 500	\$17,500 00	\$762 93	\$17,413 16	\$86 84
Paint house and workshop, . . .	Acts 1906, chap. 500	2,500 00	-	2,372 63	127 37 ¹
Purchase of plumbing fixtures, . . .	Acts 1907, chap. 92	2,000 00	-	1,978 10	21 90 ¹
Putting electric lights along driveway, . . .	Acts 1907, chap. 92	1,200 00	25 00	1,189 64	10 36 ¹
Machinery for bakery, . . .	Acts 1907, chap. 92	1,000 00	-	790 55	209 45 ¹
Lumber to construct ice house, . . .	Acts 1907, chap. 92	700 00	-	541 24	158 76 ¹
		\$24,900 00	\$787 93	\$24,285 32	\$86 84

¹ Reverting to treasury of the Commonwealth.

Respectfully submitted,

LEWIS F. BABBITT,

Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

WARREN A. MERRILL,

Assistant Supervisor of Accounts.

STATISTICAL TABLES.

[FORM PRESCRIBED BY STATE BOARD OF INSANITY.]

1. — General Statistics for the Year.

	INSANE.			NOT INSANE, VOLUNTARY.			TEMPORARY CARE.			INBRIATES.			AGGREGATES.			
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	
Patients in the hospital Oct. 1, 1909, Viz.: regularly committed, emergency, voluntary, temporary care, Admitted within the year, Viz.: by regular commitment, emergency, voluntary, temporary care, viz.: observation, by transfer, from visit, from escape, Nominal admissions for discharge, viz.: from visit, from escape, Whole number of cases within the year, Dismissed within the year, Viz.: discharged, as recovered, as capable of self-support, as improved, as not improved, died, transferred, on visit, October 1, Nominal dismissals for commitment,	454	431	885	-	3	3	-	-	-	-	-	-	454	434	888	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	190	187	377	5	1	6	-	-	-	-	-	-	195	188	383	-
	166	154	320	-	-	-	-	-	-	-	-	-	166	154	320	-
	6	4	10	5	1	6	-	-	-	-	-	-	11	5	16	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1	3	4	-	-	-	-	-	-	-	-	-	1	3	4	-
	2	4	6	2	-	-	-	-	-	-	-	-	2	4	6	-
	2	2	4	-	-	-	-	-	-	-	-	-	2	2	4	-
	13	22	35	-	-	-	-	-	-	-	-	-	13	22	35	-
	13	22	35	-	-	-	-	-	-	-	-	-	13	22	35	-
	644	618	1,262	5	4	9	-	-	-	-	-	-	649	622	1,271	-
	211	200	411	4	1	5	-	-	-	-	-	-	215	201	416	-
	62	78	140	4	1	5	-	-	-	-	-	-	66	79	145	-
	11	22	33	-	-	-	-	-	-	-	-	-	11	22	33	-
	24	20	44	-	-	-	-	-	-	-	-	-	24	20	44	-
	15	32	47	-	-	-	-	-	-	-	-	-	15	32	47	-
	12	4	16	-	-	-	-	-	-	-	-	-	12	4	16	-
	-	-	-	4	1	5	-	-	-	-	-	-	4	1	5	-
	54	33	87	-	-	-	-	-	-	-	-	-	54	33	87	-
	57	57	114	-	-	-	-	-	-	-	-	-	57	57	114	-
	12	12	24	-	-	-	-	-	-	-	-	-	12	12	24	-
	26	32	58	-	-	-	-	-	-	-	-	-	26	32	58	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

2. — *Insane received on First and Subsequent Commitments.*

NUMBER OF COMMITMENTS.	CASES COMMITTED.		
	Males.	Females.	Totals.
First to this hospital,	151	129	280
Second to this hospital,	17	20	37
Third to this hospital,	3	6	9
Fourth to this hospital,	1	—	1
Fifth to this hospital,	—	1	1
Sixth to this hospital,	—	2	2
Eighth to this hospital,	1	—	1
Total cases,	173	158	331
Total persons,	172	157	329
Never before in any hospital for insane,	142	122	264

3. — *Nativity and Parentage of Insane Persons first admitted to Any Hospital.*

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.
Massachusetts,	53	20	21	47	25	27	100	45	48
Other New England States,	16	13	18	14	13	14	30	26	32
Other States,	12	11	11	8	7	8	20	18	19
Total native,	81	44	50	69	45	49	150	89	99
Other countries:—									
Austria,	1	1	1	2	2	2	3	3	3
Bermuda,	—	—	—	—	—	1	—	—	1
Canada,	20	23	22	9	12	10	29	35	32
China,	2	2	2	—	—	—	2	2	2
England,	1	6	4	3	5	3	4	11	7
France,	1	1	1	2	2	2	3	3	3
Germany,	5	8	7	4	6	6	9	14	13
Hungary,	1	1	1	—	—	—	1	1	1
Ireland,	14	38	37	22	38	37	36	76	74
Italy,	3	3	3	—	—	—	3	3	3
Poland,	1	1	1	3	3	3	4	4	4
Russia,	10	11	11	3	3	3	13	14	14
Scotland,	1	1	1	1	2	2	2	3	3
Sweden,	—	—	—	3	3	3	3	3	3
Syria,	1	1	1	—	—	—	1	1	1
At sea,	—	—	—	1	—	—	1	—	—
Total foreign,	61	97	92	53	76	72	114	173	164
Unknown,	—	1	—	—	1	1	—	2	1
Totals,	142	142	142	122	122	122	264	264	264

4. — Residence of Insane Persons admitted from the Community.

	FIRST ADMITTED TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Hampshire County,	26	29	55	6	7	13	32	36	68
Hampden County,	70	60	130	17	14	31	87	74	161
Franklin County,	10	9	19	—	5	5	10	14	24
Berkshire County,	35	22	57	7	9	16	42	31	73
Middlesex County,	1	1	2	—	—	—	1	1	2
Worcester County,	—	1	1	—	—	—	—	1	1
Totals,	142	122	264	30	35	65	172	157	329
Unknown,	—	—	—	—	—	—	—	—	—
Totals,	142	122	264	30	35	65	172	157	329
Cities and towns,	117	92	209	24	28	52	141	120	261
Country districts,	25	30	55	6	7	13	31	37	68
Totals,	142	122	264	30	35	65	172	157	329

5. — Civil Condition of Insane Persons first admitted to Any Hospital.

	Males.	Females.	Totals.
Unmarried,	70	40	110
Married,	50	53	103
Widowed,	21	24	45
Divorced,	1	5	6
Unknown,	—	—	—
Totals,	142	122	264

6. — Occupation of Insane Persons first admitted to Any Hospital.

MALES.			
Bakers,	2	Painters,	6
Bartenders,	2	Peddler,	1
Basket maker,	1	Photographer,	1
Blacksmiths,	3	Physicians,	3
Bookkeeper,	1	Plumber,	1
Brewer,	1	Quarryman,	1
Cabinet maker,	1	Rag picker,	1
Carpenters,	4	Railroad brakeman,	1
Coachmen,	2	Salesmen,	2
Dentist,	1	Saloon keepers,	3
Electrician,	1	Shoemakers,	5
Farmers,	5	Stationary fireman,	1
Farm laborers,	6	Stone mason,	1
Fire department employee,	1	Students,	4
Hod carriers,	2	Teamsters,	2
Hostler,	1	Tobacco sorter,	1
Jockeys,	2	Waiter,	1
Laborers,	27	Watchman,	1
Liveryman,	1	Whip maker,	1
Machinists,	5	Wood choppers,	2
Mechanics,	4	No occupation,	10
Metal polishers,	2		
Music teacher,	1	Total,	142
Operatives,	17		
FEMALES.			
Canvassers,	2	Nurse,	1
Clerk,	1	Operatives,	27
Companion,	1	Student,	1
Cooks,	2	Undertaker,	1
Domestics,	10	No occupation,	8
Dressmaker,	1		
Housekeepers,	21	Total,	77
Masseuse,	1		
WIFE OF —			
Baker,	2	Motorman,	1
Clerk,	1	Operative,	11
Engineer,	1	Painter,	1
Farmer,	7	Peddler,	1
Gardener,	1	Police officer,	1
Groceryman,	1	Printer,	1
Laborer,	8	Steamfitter,	1
Letter carrier,	1	Superintendent of buildings,	1
Machinist,	4		
Mechanic,	1	Total,	45

7. — *Ages of Insane at First Attack, Admission and Death.*

	FIRST ADMITTED TO ANY HOSPITAL.				DIED.							
	AT FIRST ATTACK.			WHEN ADMITTED.		AT FIRST ATTACK.			AT TIME OF DEATH.			
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	15	5	20	-	-	-	6	-	-	-	-	-
15 years and less,	1	2	3	1	-	1	2	1	-	-	-	-
From 15 to 20 years,	5	7	12	9	7	16	-	-	-	-	-	-
20 to 25 years,	14	9	23	14	9	23	2	2	4	-	-	-
25 to 30 years,	9	12	21	15	12	27	1	4	5	3	1	4
30 to 35 years,	16	14	30	14	11	25	4	2	6	4	4	8
35 to 40 years,	12	12	24	13	15	28	3	-	3	1	2	3
40 to 50 years,	24	19	43	30	19	49	5	7	12	5	2	7
50 to 60 years,	14	18	32	15	20	35	5	4	9	12	8	20
60 to 70 years,	16	11	27	13	14	27	10	4	14	6	4	10
70 to 80 years,	12	11	23	12	11	23	9	5	14	14	7	21
Over 80 years,	3	2	5	6	4	10	4	3	7	9	5	14
Totals,	141	122	263	142	122	264	50	32	82	54	33	87
Unknown,	1	-	1	-	-	-	4	1	5	-	-	-
Totals,	142	122	264	142	122	264	54	33	87	54	33	87
Mean known ages (in years),	39.1	42.2	40.2	43.3	45.2	44.2	44.4	47.9	45.7	52.7	51.9	52.4

9. — *Probable Duration of Mental Disease before Admission.*

PREVIOUS DURATION.	FIRST ADMITTED TO ANY HOSPITAL.		
	Males.	Females.	Totals.
Congenital,	15	5	20
Under 1 month,	37	17	54
From 1 to 3 months,	34	15	49
3 to 6 months,	8	20	28
6 to 12 months,	15	14	29
1 to 2 years,	13	7	20
2 to 5 years,	13	26	39
5 to 10 years,	3	12	15
10 to 20 years,	2	5	7
Over 20 years,	1	1	2
Totals,	141	122	263
Unknown,	1	—	1
Totals,	142	122	264
Average known duration (in years), .	4.2	2.06	3.1

10. — *Form of Mental Disease in Patients admitted from the Community or discharged, with Condition on Discharge, or died.*

FORM OF DISEASE.	COMMITTED.			RECOVERED.			CAPABLE OF SELF-SUPPORT.			DISCHARGED.			DIED.			TOTAL DISCHARGES AND DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — First admitted to any hospital: —																		
Acute alcoholic insanity,	10	7	17	5	8	13	2	—	2	—	—	—	—	—	—	7	8	15
Acute delirium,	—	—	—	1	1	2	—	—	—	—	—	—	—	—	—	1	—	1
Chronic alcoholic insanity,	12	6	18	—	1	1	2	1	3	1	1	2	1	1	2	4	4	8
Dementia præcox,	27	22	49	—	—	—	3	4	7	6	7	13	1	2	3	12	14	26
Epilepsy,	5	4	9	—	—	—	—	—	—	—	—	—	1	1	2	1	2	3
Involution psychosis,	9	6	15	1	—	1	2	2	4	1	3	4	1	2	3	5	7	12
Manic-depressive insanity: —																		
Depressed form,	8	13	21	—	4	4	2	2	4	—	6	6	1	1	2	3	13	16
Maniacal form,	3	15	18	2	3	5	—	1	1	—	3	3	1	3	4	3	10	13
Mixed form,	12	5	17	—	—	—	6	1	7	1	3	4	2	—	2	15	1	16
Mental deficiency,	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Organic brain disease,	13	8	21	—	—	—	—	—	—	1	—	1	7	3	10	8	3	11
Paranoia,	2	6	8	—	—	—	1	—	1	—	2	2	—	1	3	4	3	7
Paresis,	14	1	15	—	—	—	—	—	—	—	—	—	2	4	6	10	4	14
Senile dementia,	24	21	45	1	—	1	1	2	3	3	—	—	—	12	31	23	14	37
Morphine habit, chronic,	—	1	1	1	1	2	—	—	—	—	—	—	—	—	—	1	1	2
Total A,	142	122	264	10	17	27	19	15	34	12	26	38	10	3	13	98	90	188

11. — Discharges of the Insane, classified by Admission and Results, and Deaths.

NUMBER OF ADMISSIONS.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital, . . .	10	17	27	19	15	34	14	26	40	11	3	14	50	29	79	104	90	194
Second to this hospital, . . .	—	3	3	5	4	9	1	4	5	—	—	—	3	3	6	9	14	23
Third to this hospital, . . .	1	—	1	—	—	—	—	—	—	1	1	2	1	—	1	3	1	4
Fourth to this hospital, . . .	—	1	1	—	1	1	—	1	1	—	—	—	—	—	—	—	3	3
Fifth to this hospital, . . .	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	1	1
Sixth to this hospital, . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Seventh to this hospital, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	1	1
Total cases, . . .	11	22	33	24	20	44	15	32	47	12	4	16	54	33	87	116	111	227
Total persons, . . .	11	22	33	24	19	43	15	32	47	12	4	16	54	33	87	116	110	226
First admitted to any hospital, . . .	10	17	27	19	15	34	12	26	38	10	3	13	47	29	76	98	90	188

12.—Causes of Death and Form of Mental Disease in Persons who died.

	CHRONIC ALCOHOLIC.			DEMENTIA PRÆCOX.			EPILEPSY.			INVOLUTION PSYCHOSIS.			MANIC DEPRESSIVE.			MENTAL DEFICIENCY.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General diseases:—																		
Carcinoma of face,																1		1
Carcinoma of liver,																1		1
Carcinoma of pylorus,																1		1
Diphtheria,				1		1												
Epilepsy,							1											
Erysipelas,																		
Exhaustion from acute mania,													1		1			
General tuberculosis,																		
Senility,																		
Septicæmia,																		
Diseases of nervous system:—																		
General paralysis of the insane,																		
Organic brain disease,																		
Diseases of the circulatory system:—																		
Arteriosclerosis,																		
Cerebral hemorrhage,				1		1												
Endocarditis,																1		1
Myocarditis,		1	1															
Septic phlebitis,																		
Diseases of the digestive system:—																		
Enteritis,																		
Diseases of the respiratory system:—																		
Broncho pneumonia,		1	1															
Lobar pneumonia,					1	1										2		2
Pulmonary tuberculosis,																		
Suicide by drowning,																		
Totals,	—	2	2	2	1	3	1	1	2		2	2	2	5	7	6	—	6

12. — Causes of Death and Form of Mental Disease in Persons who died — Concluded.

	ORGANIC BRAIN DISEASE.			ORGANIC DEMENTIA.			PARANOIA.			PARESIS.			SENILE DEMENTIA.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General diseases: —																		
Carcinoma of face, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Carcinoma of liver, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Carcinoma of pylorus, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	—	3
Diphtheria, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Epilepsy, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Erysipelas, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Exhaustion from acute mania, . . .	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	2	—	2
General tuberculosis, . . .	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	2	—	2
Senility, . . .	—	—	—	3	—	3	—	—	—	—	—	—	21	6	27	24	6	30
Septicæmia, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	2
Diseases of nervous system: —																		
General paralysis of the insane, . . .	—	—	—	—	—	—	—	—	—	9	4	13	—	—	—	9	4	13
Organic brain disease, . . .	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	2
Diseases of the circulatory system: —																		
Arteriosclerosis, . . .	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Cerebral hemorrhage, . . .	—	—	—	3	—	3	2	—	2	—	—	—	—	—	—	6	—	6
Endocarditis, . . .	—	—	—	1	1	1	1	—	1	—	—	—	1	2	3	2	5	7
Myocarditis, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4
Septic phlebitis, . . .	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	1	—	1
Diseases of the digestive system: —																		
Enteritis, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
Diseases of the respiratory system: —																		
Broncho pneumonia, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
Lobar pneumonia, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2
Pulmonary tuberculosis, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	2
Suicide by drowning, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Totals, . . .	—	1	1	7	3	10	3	1	4	9	4	13	24	13	37	54	33	87

13. — *Duration of Mental Disease and its Treatment in Patients recovered or died.*

	FIRST ADMITTED TO ANY HOSPITAL.						ALL OTHER ADMISSIONS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Recoveries: —												
Under 1 month,	5	8	13	1	2	3	1	1	2	—	—	—
From 1 to 3 months,	4	5	9	6	5	11	3	5	8	—	—	—
3 to 6 months,	1	2	3	—	8	8	3	4	7	—	—	—
6 to 12 months,	—	—	—	2	1	3	2	4	6	—	2	2
1 to 2 years,	—	1	1	1	1	2	1	2	3	1	2	3
2 to 5 years,	—	—	—	—	—	—	—	—	—	—	—	—
5 to 10 years,	—	1	1	—	—	—	—	1	2	1	2	3
10 to 20 years,	—	—	—	—	—	—	—	1	2	—	—	—
Over 20 years,	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	10	17	27	10	17	27	10	17	27	1	6	7
Unknown,	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	10	17	27	10	17	27	10	17	27	1	6	7
Average of known cases (in months),	.8	6.3	4.2	4.2	4.2	4.2	5.	10.	8.5	46.	38.6	39.7
										23.	22.8	22.8

FIFTY-SIXTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON STATE HOSPITAL,

FOR THE

YEAR ENDING NOVEMBER 30, 1911.



BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1912.

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OFFICERS

OF THE

NORTHAMPTON STATE HOSPITAL.

TRUSTEES.

CAROLINE A. YALE,	<i>Holyoke.</i>
LUKE CORCORAN, M.D.,	. . . . .	<i>Springfield.</i>
JOHN McQUAID,	. . . . .	<i>Pittsfield.</i>
HENRY L. WILLIAMS, <i>Chairman,</i>	. . . . .	<i>Northampton.</i>
CHARLES S. SHATTUCK,	<i>Hatfield.</i>
JOSEPH W. STEVENS, <i>Secretary,</i>	<i>Greenfield.</i>
EMILY N. NEWTON,	<i>Holyoke.</i>

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C. STANLEY RAYMOND, M.D.,	<i>Assistant Physician.</i>
B. ANGELA BOBER, M.D.,	<i>Assistant Physician.</i>
ELIZA P. BRISON, M.D.,	<i>Assistant Physician.</i>
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SUSAN E. WARREN,	<i>Matron.</i>

TREASURER.

LEWIS F. BABBITT,	<i>Northampton.</i>
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Office at the Hospital.

The Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The trustees of the Northampton State Hospital have the honor to present the fifty-sixth annual report of the affairs and management of the hospital.

By reference to the tables of statistics appended to this report it will be seen that the number of patients to be cared for is gradually increasing. The State Board of Insanity has in the past two years transferred 186 patients to other institutions, yet the hospital is crowded to its full capacity. We hope to keep the number of patients to about the present limits by transfer and by placing more patients in family care than has been possible heretofore, but before long the hospital must be enlarged by additions to its present group of buildings or by the erection of detached buildings somewhere on the grounds now a part of the institution or by the establishment of a colony at some distance from Northampton somewhere in the four western counties. A good deal of thought has been given to this matter but our Board has no definite plan to present at this time.

The treasurer's report shows that the hospital has been operated economically during the fiscal year ending Nov. 30, 1911. The cost of maintenance was nearly \$1,000 less than the appropriation for maintenance, though the daily average number of patients cared for was in excess of the number on which the estimates for maintenance were based. The weekly per capita cost was \$3.86. If from this be deducted the amounts received from sales and from board of patients, the net per capita cost to the State would be \$2.76.

The State Board of Insanity having advised us to estimate for the maintenance of an expected daily average of 890 patients the coming year, we shall ask the Legislature for the sum of \$183,500 for this purpose. This amount is based on the expenditures of the past three years.

The Legislature, on July 12, 1911, made appropriations of \$40,425 for the erection of a laundry and of \$6,500 for an addition to our present bakery. Owing to the late date at which these appropriations were made the securing of bids and letting of contracts was delayed till late summer, consequently much of the work will have to be done in the months of the year unfavorable for building. However, work on the laundry building has progressed favorably, the brick work being within two or three days of completion at the date of our report, and the roof is nearly boarded in. The foundations of the addition to the bakery have been laid and the building will be roofed in within two weeks.

The hospital reserved from the contract the work of excavating and of grading for these two buildings and this work was done largely by patients, the resultant saving to the State amounting to nearly \$1,000.

There have been several changes in the personnel of our Board and of the medical staff during the year. Mr. Snow of Greenfield felt obliged by ill health to resign his position on our Board in December. Mr. Joseph W. Stevens of Greenfield was appointed a trustee in his place. Dr. Luke Corcoran was appointed in place of Dr. F. W. Chapin, who died Dec. 15, 1910.

It is with great sorrow that we record the death of Dr. Chapin, who had been a member of our Board since 1898. The following resolutions were passed by our Board: —

Whereas, Death has removed from us Frederick Wilcox Chapin, M.D., for a number of years a valued member of the Board of Trustees of the Northampton State Hospital, we, his friends and associates, wish to express and record our appreciation of his services to the institution, therefore,

Resolved, That by the death of Dr. Chapin this hospital has sustained a severe loss. During the period he was a member of the Board of Trustees he gave it of his professional wisdom, of his financial discretion and of his personal optimism. His work among the patients was friendly and tender, his duties with the trustees were cheerfully and wisely fulfilled. He was a man of sterling worth; of upright nature; a courteous, gracious and loyal associate and we, the members of the Board, regret his departure from our comradeship with a true feeling of personal bereavement.

Drs. Whitney, Wiley and Cruttenden resigned from the medical staff, leaving the service in October. Later Dr. Wiley, as Mrs. Dr. Whitney, was reappointed to do social service work for the hospital as outlined in the superintendent's report. In October Dr. B. Angela Bober and Dr. Eliza P. Brison began service in the places of Drs. Wiley and Cruttenden. No one has been appointed to fill the position made vacant by Dr. Whitney's leaving.

CAROLINE A. YALE.

LUKE CORCORAN, M.D.

JOHN McQUAID.

HENRY L. WILLIAMS.

CHARLES S. SHATTUCK.

JOSEPH W. STEVENS.

EMILY N. NEWTON.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton State Hospital.

I hereby submit my report of the operations of the hospital for the year ending Nov. 30, 1911.

At the beginning of the statistical year, Oct. 1, 1910, there were 855 patients in our care at the hospital. During the next twelve months 386 cases were admitted, making a total of 1,241 patients cared for during the year. Of those admitted 334 were committed by the courts, 22 came as voluntary patients, 4 were sent here for temporary care, 14 were returned from visit and 5 returned from escape. Of 58 out on trial visit at the beginning of this yearly period, 44 were nominally admitted in order to be discharged from our records.

The daily average number of patients was 883, 31 more than ever before. This is to be accounted for, partly, by reason of a normal increase of patients keeping pace with the increase in the general population of the district served by the hospital, but largely because so many of the cases admitted are unfavorable for improvement by reason of their mental condition or because of old age, the number of these latter showing a steady increase year by year. Such patients are seldom removed except by death and so help to swell our daily average number under treatment.

Massachusetts was the birthplace of less than half the number admitted, 42 per cent. Forty-one per cent. were of foreign birth and nearly two-thirds were of foreign parentage.

Many of the cases admitted were of a character unfavorable for recovery; 21 were over seventy years of age and 10 were over eighty years of age. In 60 per cent. the insanity had existed for more than six months, while nearly the same proportion had a form of insanity from which recovery is not to be expected.

Examination of Table 8 of the statistical tables appended to this report shows that the principal factors in the causation of the

insanity in the cases admitted were heredity, intemperance, old age and gross brain lesions.

It is of interest to note that one case admitted was undoubtedly caused by pellagra, and that another patient admitted within the year is believed to be a case of pellagra, though we do not consider this the cause of her insanity.

More patients have taken advantage this year of the law permitting voluntary commitment than in previous years. There were 24 voluntary admissions, with 8 such cases in the house at the beginning of the year. The year closed with 8 in our care.

Three hundred and eighty-seven cases were dismissed. Of these 28 were transferred by the State Board of Insanity to the Gardner State Colony, 14 to the Monson State Hospital, 19 to the Worcester State Asylum, 3 to the McLean Hospital and 8 to family care. One hundred and forty-three were discharged as follows: 39 as recovered, 34 as capable of self-support, 43 as improved, 19 as unimproved, 9 as not insane voluntary cases, 98 deaths and 73 away on trial visit. This left 898 at the end of the year, 449 men and 449 women.

The largest number of patients on any one day was 918.

The estimated number of recoveries is very conservative, as many of them not called recovered by us seem as well as ever and conduct themselves as well as ever, in the opinion of their relatives and associates.

Our death rate was 7.8 per cent., about the same as it was last year. Almost one-half of those who died were over seventy years of age, 15 of them being over eighty years of age.

The Legislature of 1911 passed an act permitting the reception and temporary care in State hospitals of persons in need of immediate treatment because of mental derangement. Such persons may be kept for a period not exceeding seven days. Before the expiration of this time they must either be discharged or be committed if needing further treatment. Under this act we have received 14 patients. Our experience leads us to consider this a wise and humane measure, providing immediate treatment for a class of patients who, prior to this, have been liable to detention for a day or two in a jail or in other unfavorable surroundings.

We have had 13 patients under our supervision in family care during the year in addition to those placed in families by the State

Board of Insanity. Provision has been made whereby we hope to greatly increase the number so cared for.

For a long time we have felt that our duty was not limited to the care of those alone who were at the hospital or elsewhere under our supervision. There is much that can be done by an institution of this kind in the way of prevention and of after care. We have been accustomed to keep track of our patients out on trial visit, usually by correspondence, in some cases requesting them to return to the hospital for a personal interview. We have frequently advised, free of charge, persons coming to the hospital to consult us about the treatment of relatives or friends whose commitment was being considered, as well as others who were themselves considering the advisability of coming to the hospital for treatment. In our report of last year was briefly suggested a line of work that would seem to make the hospital more useful to the community it serves. We have been fortunate in securing an officer to undertake this work, Dr. Harriet M. Whitney, who in October resigned her position as assistant physician after nearly twelve years of service. Later she accepted an appointment to give us part of her time to do social service work. Her long training, her acquaintance with the individual patients here and her experience in visiting patients in family care have fitted her peculiarly for the new line of work. Her duties, which will be somewhat varied, are all in the line of broadening our sphere of usefulness. She will visit patients in family care as formerly, but will also find new boarding places for a much larger number of patients than we have heretofore been able to place out to board. She will visit patients away from the hospital on trial visit to learn whether they are doing well at home and whether their discharge or a further period of care at the hospital is advisable. It will be in line of her work to investigate home conditions of patients whose discharge is requested, patients who have not fully recovered, to learn whether their discharge can be favorably recommended. She will be sent, on request, to visit persons whose commitment is being considered. In some of these cases we have found it advisable to recommend commitment to the hospital with the hope of promoting an earlier recovery than if the patient were kept at home, while in other cases it has seemed best to advise home care and treatment as more suitable. She will visit families and neighbors of recently

committed patients to learn more about them and the cause of their mental breakdown than the commitment papers and the persons who come to the hospital with the patient can give us. It is possible, also, that she may be able to help discharged patients in securing employment, and in other ways.

Dr. Whitney has been engaged in this work but a few weeks, but we already find a large field for her.

The training school has continued successful under the same management as before. There have been 65 lectures by members of the staff and 98 recitations. Sixteen lessons in special cooking for invalids were given by Miss Hedges.

The junior classes are always large, but some who begin work are found not fitted to go on with it, while to others the work is unattractive, consequently the graduating classes are usually small. This year there were 5 graduates, Misses N. Mertie Bradley, Mary Agnes Ryan, Alice Agnes McNierney, Goldie May Bickford and Mrs. Agnes Farrington. Graduating exercises were held on Oct. 11, 1911. There are 9 graduate nurses remaining in our service.

During the summer months there was difficulty in securing a desirable number of nurses, but at present we have been having more applications for the service, and it has been possible to have more women nurses on our wards for men than in previous years.

The value of occupation as a means of treatment in mental diseases has been so long and so favorably known and so often spoken of in the annual reports of the State hospitals that it has seemed unnecessary to dwell at length on the subject, but recent legislation in our State relative to the matter seems to show how little appreciation is had by the public of what is being done in the State institutions. A list of all the various forms of occupation made use of would surprise even those fairly well acquainted with matters pertaining to State hospitals.

At the May conference of the State Board of Insanity with trustees of State hospitals the subject for discussion was occupation for patients. An abstract of what was said about the work done at our institution may be of enough interest to warrant its being made a part of this report. Referring to a bill that was introduced in the Legislature compelling the management of State institutions to train their attendants in arts and crafts it was said that we have been doing that sort of thing from the beginning of the

hospital's existence. In the report of the hospital fifty-three years ago this was said: "The importance of employment and amusement as curative agencies is fully appreciated and all means at our disposal are freely made use of. For the men there is the farm and garden work, grading, fencing, etc., and for the women the ordinary work of the institution, household work, etc." The next year's report, speaking of the value of regular daily exercise says, "it can hardly be overestimated." In 1862 they began tying brooms, braiding hats and bonnets and making baskets, teaching employees who, in turn, taught patients. In that year they made 1,000 baskets. Next year they added the making of rugs and husk mats, making all the mats in use in the institution. They began then to make mattresses, and ever since then all the mattresses in use have been made by patients under the instruction of nurses. There have been several instances to my knowledge where both nurses and patients, having learned to make mattresses here, have taken up the same kind of work as a regular employment after leaving the hospital. In 1863 the annual report says the subject of employment "is of such importance from a hygienic view that it is in no danger of being lost sight of, and the importance of securing it will be constantly studied and availed of to as great an extent as possible." Of the training of nurses and attendants the superintendent at that time said that "ability to excite the interest of patients in their occupations and amusements should always be regarded as among the qualifications to be possessed by those to be in immediate charge of the inmates." Abstracts like these could be made from nearly every report for fifty years.

Patients are always expected to do some kind of work, if well enough physically, in the care of the wards, in the different departments, as kitchen, bakery, laundry, machine shops, engine room, paint shop, at the stables and barns, on the farm and about the grounds of the institution. Many of the patients learn work of various kinds here that they were unaccustomed to before coming, and not infrequently take up the same kind of work as a regular employment after leaving the hospital. Employees in charge of patients often have to be taught the work in order to be able to teach the patients, — as in making brooms and mattresses, laying cement walks, making baskets, etc.

Some of the things done by us, but by no means all, are as fol-

lows: For the men the making of tinware, brooms, mattresses, repairing shoes, painting, carpenter work, electric wiring, pipe fitting, lathe work, both in wood and metal, making and repairing of furniture, meat cutting, laying concrete walks and especially farm work in all its branches; for the women, besides the ordinary household work, knitting and crocheting of mittens, slippers, stockings, making of rugs, basketry, dressmaking, trimming of hats and bonnets, drawn work and hemstitching and the like, and of late years gardening, picking pease, currants and strawberries. In years gone by these things have been supervised by officers and nurses of the hospital. Now it is intended to have an instructor to take direction of the work outside of that connected with the regular operations of the hospital.

Many repairs and changes are required every year in buildings so old as these, and this year has offered no exception. The necessary repairs have kept 8 men, carpenters, painters, plumbers and mechanics busy, with patients helping each one of them.

A new ell was built to the house occupied by the assistant electrician, containing kitchen, pantry and bath room.

New storerooms have been fitted in the basement and ground floor of the building occupied by patients who work out of doors, — the so-called storehouse. Here the stores are received and kept under the charge of a storekeeper and from here they are distributed. Accounts are kept for everything received and disbursed, nothing being given out except on a signed order.

Under the dormitory occupied by male employees three partitions have been removed, thus throwing four small rooms into one large one. In this room several industries have been installed which are carried on by patients: hair picking, mattress making, broom making, and repairing of boots and shoes. The time will probably soon come when an industrial building will be required, where the other things done by patients, as repairing of furniture, cane seating of chairs, the making of our tinware, now carried on in separate places, can all be done in one room under the direction of a supervisor.

Many yards of concrete walk have been laid since our last report, largely by patients' help: 750 yards in front of the storehouse, 684 yards over the coal bunkers and along the east side of the boiler house, 80 yards along the west and north sides of the

men's dormitory, 156 yards in the walks leading to the second halls of the north and the south wings, 735 yards under the hay barn and 35 yards in the basement of the women's infirmary.

Much excavating and grading has been done by patients, principally for the foundations and basements of the new laundry and bakery buildings and for a tunnel now being constructed to carry steam and water pipes and electric wires from the boiler room to the new laundry.

In spite of the drought that prevailed during a large part of the season the farm has made a good showing in the variety and quantity of crops raised. The market value of these crops nearly equals that of last year. For those interested, a table of farm products raised will be found following this report.

Considerable repair work has been done on the farm. New stable floors have been laid in the cow stable and new mangers made in the yard. About a mile and a half of fencing has been put in place and new houses for pigs have been built.

About an acre on the west lot has been reclaimed.

The entire herd of cows and calves has been regularly tested for tuberculosis. This practice has been continued for years, so that our herd is kept as free from disease as possible.

Believing fully in the value of frequent assemblies of patients for divine worship, for amusement and for instruction, we have had many gatherings of patients during the year. Besides the exercises held every Lord's Day there have been readings by a member of the staff on forty-eight evenings; dancing on twenty-five evenings; card parties on eight evenings; stereopticon lectures on three evenings; musicals by patients and attendants on three evenings; December 24, Christmas tree; January 9, stereopticon lecture by Mr. Grant; February 4, song recital, Mr. Brigham; February 20, chalk talk, Mr. Little; February 27, musical entertainment, Mr. Harrell; March 13, minstrel show, patients and attendants; March 20, readings, Mr. Taggart; March 28, musical, the Misses Woods; April 3, graphophone concert, Mr. McKean; May 8, musical, Mr. Lorraine; May 25, musical, Union Club of Holyoke, courtesy of Mr. Davies; September 18, readings, Mr. Wright; October 9, readings, Mrs. Stuart-Richings; October 11, training school graduation; October 16, legerdemain, Mr. Eldred; October 19, readings, Mr. French; November 3, musical, the Misses Woods.

Grateful acknowledgment is made to the following persons for gifts and services, which are much appreciated by the patients: to Mrs. W. T. Parker, Mrs. J. L. Egbert, Mrs. J. F. Sullivan, Mrs. J. J. Sullivan and Mr. J. J. Murphy for gifts for the Christmas tree; to Miss Dickinson for crepe paper for decorations at Christmas and Hallowe'en; to Mr. John McKean, Mr. Tom Davies, Mr. Eldred and Mr. Grant for an evening's entertainment; to Miss Vincens for fruit; to Mrs. Damond, Mrs. Pomeroy, Mrs. Cook, Mrs. Ross, Mrs. Ganong, Mrs. Graves, Mrs. Robinson, Mrs. Allison, Mrs. Shea, Mrs. Prentice, Misses Eastman, Miss Cable, Mr. C. B. Barton and Mr. C. L. Lyman for magazines and papers and to the publishers of "Christian Register," "Dumb Animals," "The Healthy Home Quarterly" and "New Church Journal" for regular copies of their publications.

JOHN A. HOUSTON,
Superintendent.

DIETARY OF THE NORTHAMPTON STATE HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about three hundred persons and the second to the remainder. In addition to these, about 190 quarts of egg and milk are taken through the wards between meals and at bed time and distributed to the old, the feeble and the convalescent cases.]

BILL OF FARE No. 1.

BREAKFAST.

- Monday.* — Tea, coffee, oatmeal, broiled beefsteak or eggs, potatoes, corn cake, bread and butter.
- Tuesday.* — Tea, coffee, oatmeal, fried tripe, potatoes, warm rolls, sausage in winter, bread and butter.
- Wednesday.* — Tea, coffee, oatmeal, broiled beefsteak or eggs, potatoes, warm brown (rye or Indian) bread.
- Thursday.* — Tea, coffee, oatmeal, broiled beefsteak, potatoes, warm rolls, bread and butter.
- Friday.* — Tea, coffee, oatmeal, fried tripe, potatoes, warm rolls, pork steak in winter, bread and butter.
- Saturday.* — Tea, coffee, oatmeal, either fried fish balls or liver, meat hash, hot corn cake, bread and butter.
- Sunday.* — Tea, coffee, oatmeal, eggs, potatoes, bread and butter.

DINNER.

- Monday.* — Roast beef, potatoes and one other vegetable, bread and butter, boiled rice with syrup or sugar.
- Tuesday.* — Vegetable soup, roast or stewed veal or beef, roast pork in winter, potatoes and one other vegetable, bread and butter, cornmeal mush.
- Wednesday.* — Either roast pork or beef, potatoes and one other vegetable, bread and butter, berry or apple pudding, with sauce.
- Thursday.* — Vegetable soup, corned beef, potatoes and one other vegetable,¹ bread and butter, boiled suet pudding with syrup.

¹ At least three vegetables during the summer.

Friday. — Either fried or baked fresh fish,¹ potatoes and one other vegetable, bread and butter, tapioca pudding or raisin pudding of either rice, bread or cracker.

Saturday. — Baked beans, corned beef, potatoes and one other vegetable, pickles, bread and butter and baked bread pudding.

Sunday. — Stewed mutton or boiled shoulders, potatoes, pickles, bread and butter and pies, the kind varying with the season.

SUPPER.

Monday. — Tea, bread and butter, soft gingerbread and a relish.²

Tuesday. — Tea, bread and butter, soft gingerbread and a relish.²

Wednesday. — Tea, bread and butter, pie (varying with the season), graham bread and cheese.

Thursday. — Tea, bread and butter, cookies and a relish.²

Friday. — Tea, bread and butter, cake (the kind varying) and a relish.²

Saturday. — Tea, bread and butter, cookies and ginger snaps and blanc-mange or corn starch and sauce. Hulled corn once in two weeks.

BILL OF FARE No. 2.

BREAKFAST.

Monday. — Coffee, oatmeal, boiled eggs, potatoes, bread and butter.

Tuesday. — Coffee, oatmeal, cold roast beef, potatoes, bread and butter.

Wednesday. — Coffee, oatmeal, boiled eggs, potatoes, bread and butter.

Thursday. — Coffee, oatmeal, pickled codfish cooked in milk, potatoes, bread and butter.

Friday. — Coffee, oatmeal, cold corned beef, potatoes, bread and butter.

Saturday. — Coffee, oatmeal, hash, either meat or fish, bread and butter.

Sunday. — Coffee, oatmeal, boiled eggs, potatoes, bread and butter.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable, boiled hominy with molasses, bread and butter.

Tuesday. — Vegetable soup, potatoes and one other vegetable, bread, corn-meal mush with syrup.

Wednesday. — Boiled codfish, potatoes and one other vegetable, boiled hasty pudding with molasses, bread and butter.

Thursday. — Vegetable soup, potatoes, cabbage or some other vegetable, boiled rice with molasses, bread and butter.

Friday. — Boiled fresh fish, potatoes, beets or some other vegetable, boiled hasty pudding with molasses, bread and butter.

Saturday. — Hot baked beans, potatoes, pickles, bread and butter, bread pudding.

Sunday. — Cold corned beef, potatoes, pies, bread and butter.

¹ Substituted by stewed oysters in winter, with some kind of roasted meat for those who prefer it.

² This term, used for want of a better, includes dried beef, berries, baked apples, apple sauce and canned fruit, all of which are supplied, and each according to the season.

SUPPER.

Monday. — Tea, bread and butter, gingerbread.

Tuesday. — Tea, bread and butter, soft gingerbread.

Wednesday. — Tea, bread and butter, gingerbread and some kind of relish.

Thursday. — Tea, bread and butter, cookies.

Friday. — Tea, bread and butter, soft gingerbread.

Saturday. — Tea, bread and butter, cake, sauce.

Sunday. — Tea, bread and butter, cookies.

EXTRAS.

Hulled corn at supper on Saturdays.

In August and September these tables are furnished with either berries, tomatoes or baked apples as many as five times a week.

In eight halls, sauce of either fresh or dried apples is furnished five times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day and on Christmas, with vegetables, celery, cranberry sauce, pudding, pie and cider.

From four to five barrels of green sweet corn in the ear are consumed in its season, daily, with the exception of Sunday.

Strawberries, tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring spinach and Swiss chard are largely used as greens, and horse-radish as a condiment.

Beef tea, chicken broth, mutton broth, scalded milk, oatmeal gruel, milk punch, oatmeal porridge, dry toast, milk toast, toast with dropped eggs, meat hash, beefsteak, grape juice, jelly, canned fruit and fresh fruit for invalids and all who are not able to take the regular fare.

Three halls have fresh fruit for dinner on Sundays, Tuesdays and Fridays.

ARTICLES MADE IN SEWING ROOM.

Aprons,	478	Lard strainers,	6
Bath robes,	12	Mattress ticks,	154
Bread covers,	5	Milk cloths,	112
Bureau covers,	414	Mittens, pairs,	24
Caps,	657	Napkins hemmed,	144
Caps, night,	24	Nightgowns, long,	32
Carriage cover,	1	Nightgowns, short,	698
Carriage pockets,	2	Petticoats,	172
Chemises,	10	Pillow cases,	1,302
Clothes bags,	49	Pillow ticks,	19
Cambric coats,	4	Rugs bound,	92
Corset covers,	36	Rug made,	1
Covers for laundry extractor,	10	Sheets,	1,473
Curtains, sash,	78	Shirts,	1,712
Curtains, screen,	30	Shirt waists,	8
Curtains, shade,	159	Stand covers,	441
Drawers,	11	Table cloths,	101
Dresses,	203	Towels,	3,299
Dresses for chapel,	33	Tray cloths,	150
Dresses made over,	12	Trousers, pair,	1
Dust cloths hemmed,	10	Trousers made over,	25
Filter cloths,	2	Vests made over,	10
Holdes,	250	Articles repaired,	49,087

WORK DONE IN INDUSTRIES DEPARTMENT.

Hair mattresses made, new material,	49
Hair mattresses made, old material,	177
Hair mattresses made, old hair, new ticks,	65
Hair pillows made, old material,	65
Chairs caned,	55
Brooms made,	83
Whisk brooms made,	48
Shoes tapped, pairs,	407
Shoes heeled, pairs,	468

PRESERVING DONE IN KITCHEN DEPARTMENT.

Blueberries, quarts, . . . 228	Tomato sweet pickles, quarts, 35
Blackberry jam, quarts, . 20	Pepper hash, gallons, . . 10
Cherries, quarts, . . . 74	Tomatoes, quarts, . . . 332
Citron, quarts, . . . 50	Tomato chow-chow, gallons, 12
Gooseberries, quarts, . . 20	Tomato ketchup, bottles, . 84
Peaches, quarts, . . . 122	Tomato Chili sauce, quarts, . 65
Plums, quarts, . . . 28	Apple jelly, glasses, . . 98
Raspberries, canned, . . 40	Apple jelly, quarts, . . 50
Raspberry jam, quarts, . . 12	Currant jelly, glasses, . . 172
Rhubarb, quarts, . . . 190	Grape jelly, glasses, . . 64
Strawberries, quarts, . . 4	Raspberry jelly, glasses, . 40
Cucumbers, salted, barrels, . 3½	Grape marmalade, jars, . . 20
Cucumber sour pickles, barrels, 4	Orange marmalade, jars, . 18
Cucumber sweet pickles,	Peach butter, jars, . . . 7
quarts, 50	

OFFICERS AND EMPLOYEES.

[Time employed, Nov. 30, 1911.]

NAMES.	Years.	Months.	Days.
John A. Houston, M.D., superintendent, . . .	22	2	7
Charles H. Dean, M.D., assistant physician, . .	11	6	21
C. Stanley Raymond, M.D., assistant physician, .	5	5	11
B. Angela Bober, M.D., assistant physician, . .	—	2	2
Eliza P. Brison, M.D., assistant physician, . . .	—	1	19
Lewis F. Babbitt, treasurer,	20	1	18
Burton G. Fiske, supervisor,	8	1	15
Alice E. Bedell, superintendent of nurses, . . .	9	3	20
Susan E. Warren, matron,	17	8	8
Martha G. Jones, secretary to superintendent, .	18	4	11
Carl W. Hammond, farmer,	1	9	—
William J. Moore, steward,	15	1	3
George Begor, assistant steward,	4	2	9
Ord Thomas, assistant steward,	2	2	9
Rachel C. Packard, stenographer,	2	7	—
Susan E. Norton, clothesmarker,	3	7	29
Jay E. Cook, baker,	12	9	—
Leon E. Bruce, assistant baker,	6	5	4
George W. Thorniley, florist,	18	7	11
Thomas Butterworth, engineer,	4	—	17
William Day, assistant engineer,	13	7	29
Gottlieb Beer, fireman,	4	—	8½
Isaac Fisk, assistant engineer,	2	8	24
Ernest Holmes, fireman,	—	1	12
Francis Pond, assistant engineer,	3	4	5
Grover Wentzel, fireman,	2	—	2
T. J. Lucier, fireman,	—	1	—
Helfrid L. Fiske, seamstress,	5	10	19
Margaret Tobin, assistant seamstress,	—	8	23
Addie M. Wood, assistant seamstress,	1	7	20
Celia A. Hamel, assistant seamstress,	—	—	23
Charles E. Williams, laundryman,	14	2	29
Margaret E. Colton, laundress,	1	6	18
Katherine McGrath, laundress,	3	5	17
Nellie M. McGrath, laundress,	4	1	22
Ellen Moore, laundress,	5	5	2
Addie J. West, laundress,	1	2	19
Emma Billings, usher,	—	10	7
Frances E. Packard, usher,	—	1	30
Harriet Briggs, housemaid,	10	3	22
Kate Flaherty, housemaid,	2	—	27

NAMES.	Years.	Months.	Days.
Jennie Pederson, housemaid,	—	2	23
Emma Kellogg, housemaid,	—	—	22
Mary Watson, center dining room,	—	—	23
Stella Bock, center dining room,	1	4	5
Agnes Gotski, kitchen maid,	1	7	18
Theresa Pvorcan, kitchen maid,	1	—	26
Mary Spelmen, kitchen maid,	—	4	27
Anna Thomas, kitchen maid,	1	1	22
Mary Schowiecka, kitchen maid,	—	—	29
Alexander Macmaster, kitchen,	—	4	19
Josie Hurd, cook,	2	5	10
Stela Crianiskor, cook,	—	4	27
Harry W. Love, watchman,	7	11	22
Fred D. Aldrich, nurse,	11	11	18
Alexander Beaton, nurse,	6	4	14
George H. Blake, nurse,	—	2	24
John J. Bradley, nurse,	3	6	18
Chas. A. Bruce, nurse,	—	2	5
George D. Bruce, nurse,	—	1	18
Raymond D. Fiske, nurse,	—	10	30
Porter Ford, nurse,	—	—	25
William F. Gay, nurse,	—	6	30
John E. Green, nurse,	1	6	2
Axel Gustafson, nurse,	1	6	30
John Harkness, nurse,	1	7	30
George Hartmann, nurse,	—	1	11
Willard E. Hawxhurst, nurse,	—	6	22
A. L. Hubby, nurse,	—	10	23
Matthew Hudson, nurse,	—	6	17
Robert Kinney, nurse,	—	2	20
Ernest Manning, nurse,	—	2	23
Charles Mayhew, nurse,	—	5	3
Michael McCaffrey, nurse,	2	2	13
John McNamara, nurse,	—	3	18
Hubert McNierney, nurse,	2	2	2
Ivor L. Morris, nurse,	—	4	8
Carl Nykuist, nurse,	—	8	12
Charles M. Pease, nurse,	5	6	6
A. C. Roberts, nurse,	1	7	29
Joseph Round, nurse,	—	2	13
Thomas Smart, nurse,	—	8	21
F. Smith, nurse,	—	2	23
W. I. Toothaker, nurse,	—	7	2
Moise Vallancourt, nurse,	—	3	3
Clyde A. Wilkins, nurse,	—	1	23
Wm. A. Wood, nurse,	—	7	12
Edward Hubby, nurse,	—	—	20
Geo. W. Leroy, nurse,	—	—	23
Ernest A. Martin, nurse,	—	—	18
Loren F. Shaw, nurse,	—	—	10
L. N. Hart, nurse,	—	—	10

NAMES.	Years.	Months.	Days.
Timothy Feeney, nurse,	—	—	4
Eugene M. Tucker, nurse,	—	—	2
Goldie Bickford, nurse,	3	2	—
Josephine M. Bowles, nurse,	—	2	18
Beulah L. Boynton, nurse,	—	10	28
N. Mertie Bradley, nurse,	1	9	20
Janet Campbell, nurse,	—	2	5
Cecelia Crosby, nurse,	—	9	27
Mabel Dean, nurse,	4	1	18
Lulu Dyer, nurse,	1	8	30
Charlotte Elliott, nurse,	—	1	5
Agnes Farrington, nurse,	2	3	—
Isobel Ferguson, nurse,	3	3	27
Helen A. Foley, nurse,	—	2	26
Ada F. Gay, nurse,	—	6	30
Ida E. Hall, nurse,	—	1	7
Katherine Hubbard, nurse,	—	1	29
Lizzie A. Leach, nurse,	—	1	8
Lillian Love, nurse,	6	8	5
Effie Mahy, nurse,	7	4	24
Grace Mayhew, nurse,	—	5	3
Helen McCarthy, nurse,	—	3	18
Katherine McDonald, nurse,	1	7	4
Mrs. A. Macmaster, nurse,	—	4	19
Kathryn McNierney, nurse,	1	5	22
Mae P. Morris, nurse,	—	4	8
Ruby Pendleton, nurse,	—	2	2
Marion Porterus, nurse,	—	2	28
Lila Pullman, nurse,	—	3	—
Jennie M. Ryan, nurse,	3	7	5
Mary Ryan, nurse,	2	6	22
Helene St. Pierre, nurse,	—	2	18
Emily Stewart, nurse,	7	—	2
M. E. R. Thomas, nurse,	—	7	13
Caroline Truman, nurse,	—	4	25
Effie L. Wilkins, nurse,	—	1	23
Rose Duprey, nurse,	3	7	5
Mabel Tacy, nurse,	2	8	16
Mary Mullarky, nurse,	—	—	21
H. Mabel Skidmore, nurse,	—	—	18
Caroline E. Arthur, nurse,	—	—	17
Constance Smythe, nurse,	—	—	12
Alma Hart, nurse,	—	—	10
Myrtis L. Miller, nurse,	—	—	24
Thomas P. Clair, plumber,	13	7	—
Albert DeGrandpre, carpenter,	6	10	—
Wm. Lasalle, carpenter,	—	10	2
Arthur W. Lee, painter,	—	6	10
Henry Maynard, carpenter,	3	5	22
M. L. Sornborger, plumber,	8	—	6
Roscoe Tobin, plumber,	9	—	28

NAMES.	Years.	Months.	Days.
W. M. Tower, carpenter,	33	10	—
Orrin Blodgett, farmer,	5	4	8
James Denny, farmer,	3	1	24
Xavier Dion, farmer,	18	5	16
Henry Drozdial, farmer,	—	8	8
Jake Drozdial, farmer,	—	8	8
Michael Drozdial, farmer,	2	7	10
Thomas Drozdial, farmer,	7	—	—
Frank Hurd, farmer,	2	5	10
Fred Kemper, farmer,	—	7	—
John Koske, farmer,	—	6	5
Nicholas Kraznyak, gardener,	3	2	3
W. Lardek, farmer,	—	1	20
Frank Lesto, farmer,	—	7	11
David Mercier, coachman,	34	9	13
Rufus Miner, farmer,	1	7	—
Charles Nutting, farmer,	1	2	19
Alfred Owen, gardener,	2	9	12
James Ruddy, farmer,	4	1	26
Frank Sanborn, farmer,	4	6	22
Frank Smith, farmer,	—	8	10
Steve Stepno, farmer,	1	6	7
Walter Streeter, farmer,	8	3	1
Frank Suboskie, farmer,	—	2	6

FARM PRODUCTS.

Apples, 107 barrels,	\$268 00
Asparagus, 36 boxes,	126 00
Beans, lima, improved, 89 bushels,	142 40
Beans, shell, 36½ bushels,	42 48
Beans, wax string, 83½ bushels,	66 80
Beef, cow, 4,475 pounds,	268 50
Beef, steer, 17,333 pounds,	1,733 30
Beets, greens, 79 bushels,	27 65
Beets, table, 138 bushels,	82 80
Broom corn, 4,650 pounds,	327 00
Brussels sprouts, 17 quarts,	1 87
Cabbage, 22 tons,	550 00
Carrots, 24 bushels,	18 00
Cauliflower, 4 boxes,	5 00
Celery, 330 boxes,	299 70
Cherries, 442 quarts,	44 20
Chickens, broilers, 724 pounds,	195 48
Chickens, fowl, 550 pounds,	82 50
Cider, 775 gallons,	77 50
Citron, 4,910 pounds,	49 10
Corn fodder, 104 tons,	520 00
Corn, green, 611 bushels,	611 00
Corn, whole, 376 bushels,	282 00
Cucumbers, 422 boxes,	316 50
Cucumber pickles, 320 pecks,	96 00
Currants, 432 quarts,	47 52
Eggs, 2,051 dozen,	615 30
Ensilage, 500 tons,	2,000 00
Gooseberries, 90 quarts,	9 00
Grapes, 400 pounds,	16 00
<hr style="width: 20%; margin: auto;"/>	
<i>Amount carried forward,</i>	<i>\$8,921 60</i>

<i>Amount brought forward,</i>	\$8,921 60
Hay, 370 tons,	7,770 00
Ice, 765 tons,	2,295 00
Lettuce, 112 boxes,	56 00
Melons, musk, 322 crates,	363 50
Melons, water, 1,092,	163 80
Milk, 265,046 quarts,	15,902 76
Onions, 90 bushels,	99 00
Parsley, 2 bushels,	1 00
Parsnips, 345 bushels,	258 75
Pears, 30 bushels,	22 50
Peas, green, 28 bushels,	56 00
Peppers, 10 bushels,	7 50
Pig, roast, 1,	1 00
Plums, 64 baskets,	19 20
Pork, 66,922 pounds,	6,022 98
Potatoes, 2,185 bushels,	1,966 50
Pumpkins, 2,310 pounds,	69 30
Quinces, 1 bushel,	2 00
Radishes, 683 dozen bunches,	204 90
Raspberries, 66 quarts,	9 90
Rhubarb, 5 tons,	200 00
Rye straw, 6 tons,	144 00
Rye, 87 bushels,	69 60
Scullions, 6 bushels,	3 00
Spinach, 208 bushels,	83 20
Squash, summer, 30 barrels,	30 00
Squash, winter, 50 tons,	1,750 00
Strawberries, 1,594 quarts,	191 38
Tomatoes, ripe, 268 bushels,	201 00
Tomatoes, green, 26 bushels,	13 00
Turnips, 167 barrels,	183 70
Veal, 140 pounds,	15 40
Wood, 108 cords,	540 00
Total,	<hr/> \$47,637 47
<i>Amount carried forward,</i>	<hr/> \$47,637 47

Amount brought forward, \$47,637 47

Sales: —

Calves,	\$61 00
Horses,	450 00
Hides,	458 69
Pigs,	566 50
Sundries,	77 70
Total,	<hr/> 1,613 89
Total farm product,	<hr/> \$49,251 36

Live stock belonging to the hospital: —

Bulls, 2,	\$400 00
Calves, 17,	425 00
Cows, 83,	6,640 00
Fowls, 635,	635 00
Heifers, 29,	1,040 00
Hogs, 95,	2,506 00
Horses, 14,	3,525 00
Total,	<hr/> \$16,371 00

VALUATION.

REAL ESTATE.

Grounds and building sites, 23 acres, . . .	\$4,861 20	
Woodland, 93 acres,	19,655 55	
Mowing, 110 acres,	23,248 50	
Pasturage, 185 acres,	39,099 75	
Tillage, 100 acres,	21,135 00	
Hospital building,	616,619 00	
Farmhouse,	1,500 00	
Brick house,	1,700 00	
Three dwellings,	5,500 00	
Cold storage,	30,000 00	
Two barns,	5,500 00	
Cow stable,	13,000 00	
Horse stable,	6,000 00	
Piggery,	3,000 00	
Lumber shed,	850 00	
Cart shed,	400 00	
Pump house,	400 00	
Ice house,	800 00	
Paint shop,	2,039 00	
Total real estate,		\$795,308 00

PERSONAL ESTATE.

Provisions and groceries,	\$10,368 58	
Clothing and clothing material,	3,957 65	
Furnishings,	38,290 64	
Fuel,	6,578 68	
Machinery and mechanical fixtures,	21,138 37	
Live stock on farm,	16,371 00	
Produce of farm on hand,	13,334 90	
Carriages and agricultural implements,	3,905 04	
Miscellaneous,	3,928 44	
Unexpended balance of maintenance appropriation,	15,526 40	

Amounts carried forward, \$133,399 70 \$795,308 00

Amounts brought forward, \$133,399 70 \$795,308 00

Unexpended balance of special appropriation (non-revertible),	41,209 07	
Accounts receivable,	11,656 94	
Cash on hand: —		
Office,	896 55	
Bank,	824 77	
Patients' money,	1,781 98	
Endowments, etc.,	703 24	
	<hr/>	190,472 25
Total personal estate,		\$985,780 25

ACCOUNTS PAYABLE.

Maintenance,	\$14,618 24	
Trust funds: —		
Patients' money,	\$1,781 98	
Endowments,	703 24	
	<hr/>	2,485 22
Excess of resources over liabilities,	968,676 79	
	<hr/>	\$985,780 25

STATEMENT OF FUNDS.

Patients' Funds.

On hand, Nov. 30, 1910,	\$1,771 73	
Receipts,	1,490 21	
	<hr/>	\$3,261 94
Refunded,	1,479 96	
	<hr/>	
Balance on hand Nov. 30, 1911,	\$1,781 98	

Fred B. Kelly Fund.

Balance Nov. 30, 1910,	\$677 61	
Income,	25 63	
	<hr/>	
Balance on hand Nov. 30, 1911,	\$703 24	

Payments.

To treasury of Commonwealth, institution receipts,	\$51,245 96
Maintenance appropriations: —	
Balance November schedule, 1910,	\$10,129 14
Eleven months schedules, 1911,	164,473 60
November advances,	3,278 68
	<hr/>
	177,881 42
Special appropriations: —	
Approved schedules,	5,795 93
Balance, Nov. 30, 1911: —	
In bank,	\$824 77
In office,	896 55
	<hr/>
	1,721 32
Total,	<hr/>
	\$236,644 63

MAINTENANCE.

Appropriation,	\$180,000 00
Expenses (as analyzed below),	179,091 84
	<hr/>
Balance reverting to treasury of Commonwealth,	\$908 16

Analysis of Expenses.

Salaries, wages and labor: —	
General administration,	\$17,384 44
Medical service,	7,709 20
Ward service (male),	13,883 42
Ward service (female),	11,607 39
Repairs and improvements,	6,641 34
Farm, stable and grounds,	9,637 85
	<hr/>
	\$66,863 64
Food: —	
Butter,	\$8,494 71
Butterine,	298 92
Beans,	637 96
Bread and crackers,	572 69
Cereals, rice, meal, etc.,	1,229 24
Cheese,	288 78
Eggs,	6,890 40
Flour,	4,499 55
Fish,	2,279 19
Fruit (dried and fresh),	3,661 00
Meats,	10,077 17
Molasses and syrup,	418 61
Sugar,	3,868 95
Tea, coffee, broma and cocoa,	1,873 84
Vegetables,	1,483 27
Sundries,	2,042 86
	<hr/>
	48,617 14
Clothing and materials: —	
Boots, shoes and rubbers,	\$612 58
Clothing,	2,193 28
	<hr/>
Amounts carried forward,	\$2,805 86
	\$115,480 78

<i>Amounts brought forward,</i>	\$2,805 86	\$115,480 78
Clothing and materials — <i>Con.</i>		
Dry goods for clothing and small wares,	1,730 63	
Furnishing goods,	926 76	
Hats and caps,	129 50	
Leather and shoe findings,	54 88	
Sundries,	23 77	
		5,671 40
Furnishings: —		
Beds, bedding, table linen, etc.,	\$2,705 27	
Brushes, brooms,	149 27	
Carpets, rugs, etc.,	926 49	
Crockery, glassware, cutlery, etc.,	543 52	
Furniture and upholstery,	656 07	
Kitchen furnishings,	117 20	
Wooden ware, buckets, pails, etc.,	18 65	
Sundries,	249 84	
		5,366 31
Heat, light and power: —		
Coal,	\$8,084 80	
Freight on coal,	4,033 03	
Wood,	132 24	
Electricity,	35 98	
Gas,	91 43	
Oil,	176 55	
Sundries,	323 15	
		12,877 18
Repairs and improvements: —		
Brick,	\$380 10	
Cement, lime and plaster,	543 20	
Electrical work and supplies,	797 31	
Hardware,	1,463 26	
Lumber,	1,982 43	
Machinery, etc.,	416 31	
Paints, oil, glass, etc.,	2,207 19	
Plumbing, steam fitting and supplies,	1,609 53	
Sundries,	1,977 09	
		11,376 42
Farm, stable and grounds: —		
Blacksmith and supplies,	\$460 98	
Carriages, wagons, etc., and repairs,	442 75	
Fertilizers, vines, seeds, etc.,	1,967 21	
Hay, grain, etc.,	8,076 39	
Harnesses and repairs,	255 21	
Horses,	650 00	
Cows,	1,708 00	
Other live stock,	1,064 70	
Rent,	145 00	
Tools, farm machines, etc.,	832 58	
Sundries,	1,321 63	
		16,924 45
Miscellaneous: —		
Books, periodicals, etc.,	\$154 08	
Chapel services and entertainments,	737 00	
<i>Amounts carried forward,</i>	\$891 08	\$167,696 54

<i>Amounts brought forward,</i>	\$891 08	\$167,696 54
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Miscellaneous — *Con.*

Freight, expressage and transportation,	139 07	
Funeral expenses,	38 00	
Medicines and hospital supplies,	1,033 40	
Medical attendance, nurses, etc. (extra),	918 50	
Postage,	276 02	
Printing and printing supplies,	154 39	
Printing annual report,	170 88	
Return of runaways,	82 67	
Soap and laundry supplies,	1,483 34	
Stationery and office supplies,	290 16	
Travel and expenses (officials),	618 10	
Telephone and telegraph,	174 00	
Tobacco,	80 99	
Water,	4,324 57	
Sundries,	720 13	
	<hr/>	11,395 30
Total expenses for maintenance,		<hr/> \$179,091 84

SPECIAL APPROPRIATIONS.

Balance Dec. 1, 1910,		\$86 84
Appropriations for fiscal year,		46,925 00
		<hr/>
Total,		\$47,011 84
Expended during the year (see statement annexed),	\$5,795 93	
Reverting to treasury of Commonwealth,	6 84	
	<hr/>	5,802 77
		<hr/>
Balance Nov. 30, 1911,		\$41,209 07

RESOURCES AND LIABILITIES.

Resources.

Cash on hand,	\$1,721 32	
November cash vouchers (paid from advance money),	3,278 68	
Due from treasury of Commonwealth account November, 1911, schedule,	9,618 24	
	<hr/>	\$14,618 24

Liabilities.

Schedule of November bills,	\$14,618 24
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PER CAPITA.

During the year the average number of inmates has been 889.12.

Total cost for maintenance, \$179,091.84.

Equal to a weekly per capita cost of \$3.86.

Receipts from sales, \$2,846.32.

Equal to a weekly per capita of \$0.06 +.

All other institution receipts, \$48,399.64.

Equal to a weekly per capita of \$1.04 +.

Special Appropriations.

OBJECT.	Act or Resolve.	Whole Amount.	Expended during Fiscal Year.	Expended to Date.	Balance at End of Year.
Installation of better water supply,	Acts 1906, chap. 500	\$17,500 00	\$80 00	\$17,493 16	\$6 84 ¹
Additions to and improvements in bakery, . . .	Acts 1911, chap. 156	6,500 00	75 00	75 00	6,425 00
New laundry building and equipment of same, . .	Acts 1911, chap. 156	40,425 00	5,640 93	5,640 93	34,784 07
		\$64,425 00	\$5,795 93	\$23,209 09	\$41,209 07

¹ Reverting to treasury of the Commonwealth.

Respectfully submitted,

LEWIS F. BABBITT,

Treasurer.

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

WARREN A. MERRILL.

Assistant Supervisor of Accounts.

STATISTICAL TABLES.

[FORM PRESCRIBED BY STATE BOARD OF INSANITY.]

1. — General Statistics for the Year.

[illegible]

2. — *Insane received on First and Subsequent Commitments.*

NUMBER OF COMMITMENTS.	CASES COMMITTED.		
	Males.	Females.	Total.
First to this hospital,	157	132	289
Second to this hospital,	17	24	41
Third to this hospital,	2	8	10
Fourth to this hospital,	1	1	2
Fifth to this hospital,	1	-	1
Sixth to this hospital,	-	1	1
Total cases,	178	166	344
Total persons,	178	166	344
Never before in any hospital for insane,	148	123	271

3. — *Nativity and Parentage of Insane Persons first admitted to Any Hospital.*

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.
Massachusetts,	65	28	26	44	23	27	109	51	53
Other New England States,	16	10	13	13	12	7	29	22	20
Other States,	7	16	12	11	7	8	18	23	20
Total native,	88	54	51	68	42	42	156	96	93
Other countries: —									
Austria,	4	4	4	-	-	-	4	4	4
Canada,	13	17	19	13	13	15	26	30	34
Cuba,	-	-	-	1	1	-	1	1	-
England,	5	6	6	3	6	6	8	12	12
Finland,	1	1	1	1	1	1	2	2	2
France,	-	1	1	-	-	-	-	1	1
Germany,	9	10	10	3	5	5	12	15	15
Greece,	1	1	1	-	-	-	1	1	1
Hungary,	-	1	-	1	1	1	1	2	1
Ireland,	14	34	34	20	36	38	34	70	72
Italy,	5	6	6	-	-	-	5	6	6
Poland,	3	3	3	4	4	4	7	7	7
Russia,	3	3	3	4	4	4	7	7	7
Scotland,	-	-	1	1	4	2	1	4	3
Sweden,	1	1	1	2	2	2	3	3	3
Switzerland,	1	1	1	-	-	-	1	1	1
Wales,	-	-	-	-	1	1	-	1	1
Total foreign,	60	89	91	53	78	79	113	167	170
Unknown,	-	5	6	2	3	2	2	8	8
Totals,	148	148	148	123	123	123	271	271	271

4. — Residence of Insane Persons admitted from the Community.

	FIRST ADMITTED TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Hampshire County,	27	21	48	6	4	10	33	25	58
Hampden County,	68	68	136	11	23	34	79	91	170
Franklin County,	10	8	18	4	5	9	14	13	27
Berkshire County,	40	26	66	9	9	18	49	35	84
Worcester County,	3	—	3	—	1	1	3	1	4
Suffolk County,	—	—	—	—	1	1	—	1	1
Totals,	148	123	271	30	43	73	178	166	344
Unknown,	—	—	—	—	—	—	—	—	—
Totals,	148	123	271	30	43	73	178	166	344
Cities and towns,	115	94	209	23	33	56	138	127	265
Country districts,	33	29	62	7	10	17	40	39	79
Totals,	148	123	271	30	43	73	178	166	344

5. — Civil Condition of Insane Persons first admitted to Any Hospital.

	Males.	Females.	Totals.
Unmarried,	74	41	115
Married,	54	56	110
Widowed,	19	23	42
Divorced,	1	3	4
Unknown,	—	—	—
Totals,	148	123	271

6. — Occupation of Insane Persons first admitted to Any Hospital.

MALES.

Armorer,	1	Merchants,	2
Baker,	1	Metal polisher,	1
Bartender,	1	Mining engineer,	1
Blacksmiths,	2	Nurse,	1
Boiler maker,	1	Operatives,	18
Bookkeeper,	1	Organ builder,	1
Bookbinder,	1	Painters,	6
Brick maker,	1	Peddler,	1
Carpenter,	1	Physicians,	2
Carriage manufacturer,	1	Printers,	2
Clerks,	2	Quarryman,	1
Contractor,	1	Railroad employees,	2
Cook,	1	Salesman,	1
Druggist,	1	Shoemakers,	2
Electricians,	3	Slate roofer,	1
Elevator man,	1	Soldier,	1
Farmers,	8	Stationary fireman,	1
Farm laborers,	15	Students,	5
Forger,	1	Tailors,	6
Gardener,	1	Tanner,	1
Grocer,	1	Waiter,	1
Hack drivers,	2	Watchman,	1
Insurance agent,	1	Whipmaker,	1
Laborers,	25	Wood worker,	1
Lawyer,	1	No occupation,	8
Machinists,	3		
Masons,	2	Total,	148

FEMALES.

Bookkeeper,	1	Music teacher,	1
Candy sorter,	1	Nurses,	2
Clerks,	3	Operatives,	14
Cook,	1	Police matron,	1
Domestics,	24	Stenographer,	1
Dressmaker,	1	No occupation,	12
Housekeepers,	13		
Laundresses,	2	Total,	77

WIFE OF —

Armorer,	1	Manufacturer,	1
Boiler maker,	1	Mechanic,	1
Carpenter,	2	Operative,	8
Clerk,	1	Painter,	1
Coachman,	1	Plumber,	1
Elevator man,	1	Policeman,	1
Expressman,	1	Railroad employee,	2
Farmer,	9	Tailor,	1
Ice merchant,	1	Teamster,	1
Laborer,	7		
Machinist,	3	Total,	46
Mail carrier,	1		

7. — *Ages of Insane at First Attack, Admission and Death.*

	FIRST ADMITTED TO ANY HOSPITAL.						DIED.					
	AT FIRST ATTACK.			WHEN ADMITTED.			AT FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	26	11	37	—	—	—	2	—	2	—	—	—
15 years and less,	—	3	3	2	—	2	1	—	1	—	—	—
From 15 to 20 years,	6	9	15	9	4	13	2	—	2	1	—	1
20 to 25 years,	12	12	24	16	14	30	2	2	4	2	1	3
25 to 30 years,	17	9	26	22	8	30	5	2	7	2	—	2
30 to 35 years,	13	14	27	15	14	29	1	1	2	3	2	5
35 to 40 years,	11	13	24	14	15	29	5	2	7	4	2	7
40 to 50 years,	21	23	44	21	28	49	7	8	15	5	3	7
50 to 60 years,	11	10	21	12	17	29	6	7	13	8	2	10
60 to 70 years,	12	9	21	14	11	25	8	9	17	7	10	17
70 to 80 years,	12	6	18	15	8	23	10	9	19	14	16	30
Over 80 years,	7	2	9	8	4	12	5	3	8	8	7	15
Totals,	148	121	269	148	123	271	54	43	97	54	43	97
Unknown,	—	2	2	—	—	—	—	—	—	—	—	—
Totals,	148	123	271	148	123	271	54	43	97	54	43	97
Mean known ages (in years),	36.6	36.5	36.6	42.8	43.09	42.9	51.5	56.4	53.7	57.3	66.0	61.2

9. — *Probable Duration of Mental Disease before Admission.*

PREVIOUS DURATION.	FIRST ADMITTED TO ANY HOSPITAL.		
	Males.	Females.	Totals.
Congenital,	26	11	37
Under 1 month,	58	7	65
From 1 to 3 months,	12	16	28
3 to 6 months,	7	16	23
6 to 12 months,	13	19	32
1 to 2 years,	18	20	38
2 to 5 years,	12	20	32
5 to 10 years,	—	4	4
10 to 20 years,	2	8	10
Over 20 years,	—	1	1
Totals,	148	122	270
Unknown,	—	1	1
Totals,	148	123	271
Average known duration (in years), .	.7	.22	.47

10. — *Form of Mental Disease in Patients admitted from the Community or discharged, with Condition on Discharge, or died.*

FORM OF DISEASE.	COMMITTED.			DISCHARGED.									DIED.			TOTAL DISCHARGES AND DEATHS.				
	Males.	Females.	Totals.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			Males.	Females.	Totals.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.					
A. — First admitted to any hospital: —																				
Acute alcoholic insanity,	18	6	24	10	5	15	—	—	—	—	—	—	—	—	1	—	1	11	6	17
Acute delirium,	1	1	2	—	1	1	—	—	—	—	—	—	—	—	—	—	—	1	1	2
Chronic alcoholic insanity,	6	3	9	—	—	—	—	—	—	—	—	—	—	—	—	2	—	1	4	6
Dementia præcox,	26	27	53	—	—	—	8	4	12	3	4	7	1	—	1	1	2	14	5	19
Epilepsy,	6	2	8	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	3	4
Involution psychosis,	5	10	15	2	—	2	1	—	1	—	3	3	—	—	2	2	—	4	6	10
Manic-depressive insanity: —																				
Depressed form,	4	10	14	1	4	5	—	—	—	2	7	9	—	—	1	1	—	3	13	16
Maniacal form,	5	11	16	2	4	6	—	—	—	—	4	4	—	—	—	—	—	2	10	12
Mixed form,	1	4	5	1	—	1	—	—	—	—	1	1	—	—	—	—	—	1	5	6
Mental deficiency,	23	11	34	—	—	—	4	1	5	—	1	1	—	—	1	1	2	1	6	8
Organic brain disease,	1	4	5	—	—	—	—	—	—	—	—	—	—	—	—	2	2	—	2	4
Organic dementia,	10	11	21	—	—	—	2	—	2	2	2	2	—	—	1	1	17	10	12	22
Paranoia,	4	3	7	—	—	—	—	—	—	—	2	2	—	—	—	1	1	1	3	4
Paresis,	6	3	9	—	—	—	—	—	—	—	1	1	—	—	—	—	1	—	—	—
Pellagra,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	9	1	1	12
Senile dementia,	30	17	47	—	—	—	—	—	—	—	1	1	—	—	—	1	1	1	1	2
Morphine habit, chronic,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	1	1	18	25	22	47
Total A,	143	123	271	16	14	30	16	6	22	10	26	36	5	8	13	45	40	92	94	186

10. — *Form of Mental Disease in Patients admitted from the Community or discharged, with Condition on Discharge, or died — Concluded.*

FORM OF DISEASE.	COMMITTED.			DISCHARGED.										DIED.			TOTAL DISCHARGES AND DEATHS.		
	Males.	Females.	Totals.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			Males.	Females.	Totals.	
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.				
B. — Other admissions: —																			
Acute alcoholic insanity,	2	4	6	2	1	3	1	—	1	—	1	—	—	—	3	1	4	1	
Chronic alcoholic insanity,	5	4	9	—	—	—	—	—	—	—	—	—	—	—	—	2	2	10	
Dementia præcox,	5	4	9	—	—	—	4	1	5	—	1	—	—	—	—	8	1	1	
Epilepsy,	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Involution psychosis,	1	4	5	—	—	—	—	—	—	—	1	—	—	—	—	1	1	1	
Manic-depressive insanity: —																			
Depressed form,	2	5	7	1	1	2	1	—	1	—	—	—	—	—	3	2	3	3	
Maniacal form,	1	7	8	2	—	2	1	—	2	—	1	—	—	—	5	4	1	5	
Mixed form,	—	8	8	—	—	—	—	—	2	—	—	—	—	—	1	1	3	4	
Mental deficiency,	5	1	6	—	—	—	—	—	—	—	1	—	—	—	3	1	3	3	
Organic dementia,	4	1	5	—	—	—	—	—	—	—	1	—	—	—	4	1	3	4	
Paranoia,	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Paresis,	1	2	3	—	—	—	—	—	—	—	1	—	—	—	—	2	1	1	
Senile dementia,	2	3	5	1	—	1	—	—	—	—	—	—	—	—	1	3	3	1	
Morphine habit, chronic,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Total B,	30	43	73	6	2	8	7	4	11	3	7	2	1	3	27	14	41	41	
Aggregate cases,	178	166	344	22	16	38	24	10	34	13	30	7	9	16	119	108	227	227	
Aggregate persons,	178	166	344	22	16	38	24	10	34	13	30	7	9	16	119	108	227	227	

11. — Discharges of the Insane, classified by Admission and Results, and Deaths.

NUMBER OF ADMISSIONS.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital, . . .	16	14	30	18	6	24	12	28	40	7	8	15	47	40	87	100	96	196
Second to this hospital, . . .	5	2	7	2	1	3	1	1	2	-	-	-	6	2	8	14	6	20
Third to this hospital, . . .	1	-	1	1	3	4	-	1	1	-	1	1	-	1	1	2	6	8
Fourth to this hospital, . . .	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
Seventh to this hospital, . . .	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
Eighth to this hospital, . . .	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
Ninth to this hospital, . . .	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1
Total cases, . . .	22	16	38	24	10	34	13	30	43	7	9	16	54	43	97	120	108	228
Total persons, . . .	22	16	38	24	10	34	13	30	43	7	9	16	54	43	97	120	108	228
First admitted to any hospital, . . .	16	14	30	17	6	23	10	26	36	5	8	13	45	40	85	93	94	187

12. — *Causes of Death and Form of Mental Disease in Persons who died.*

	ACUTE ALCOHOLIC.			ACUTE DELIRIUM.			CHRONIC ALCOHOLIC.			DEMENTIA PRÆCOX.			INVOLUTION PSYCHOSIS.			MANIC DEPRESSIVE.			MENTAL DEFICIENCY.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General diseases: —																					
Carcinoma of œsophagus,																					
Carcinoma of face,																					
Carcinoma of pancreas,																					
Carcinoma of stomach,																					
Exhaustion from acute mania,										1		1									
Gangrene of foot,																					
Gangrene of scrotum,										1		1									
General tuberculosis,																					
Pellagra,																					
Senility,																					
Diseases of the nervous system: —																					
General paralysis of the insane,																					
Organic brain disease,																					
Septic meningitis,																					
Diseases of the circulatory system: —																					
Arteriosclerosis,																					
Cerebral embolism,																1		1			
Cerebral hemorrhage,							1		1												
Endocarditis,	1		1							1		1									
Myocarditis,													1		1						
Diseases of the genito-urinary system: —																					
Nephritis,																					
Diseases of the digestive system: —																					
Gastro-enteritis,																					
Intestinal obstruction,																1		1			
Tubercular enteritis,													1		1						
Diseases of the respiratory system: —																					
Broncho-pneumonia,																					
Hypostatic pneumonia,																					
Lobar pneumonia,																					
Pulmonary tuberculosis,				1		1				2		2							2		2
Deglutition asphyxia,																					
Totals,	—	1	1	1	—	1	1	—	1	6	1	7	—	2	2	1	3	4	2	—	2

12. — Causes of Death and Form of Mental Disease in Persons who died — Concluded.

	ORGANIC BRAIN DISEASE.			ORGANIC DEMENTIA.			PARANOIA.			PARESIS.			PELLAGRA.			SENILE DEMENTIA.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
General diseases: —																					
Carcinoma of œsophagus,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Carcinoma of face,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Carcinoma of pancreas,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Carcinoma of stomach,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exhaustion from acute mania,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Gangrene of foot,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Gangrene of scrotum,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General tuberculosis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pellagra,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Senility,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the nervous system: —																					
General paralysis of the insane,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Organic brain disease,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Septic meningitis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the circulatory system: —																					
Arteriosclerosis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebral embolism,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cerebral hemorrhage,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Endocarditis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mycarditis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the genito-urinary system: —																					
Nephritis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the digestive system: —																					
Gastro-enteritis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Intestinal obstruction,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tubercular enteritis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diseases of the respiratory system: —																					
Broncho-pneumonia,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hypostatic pneumonia,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lobar pneumonia,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pulmonary tuberculosis,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Deglutition asphyxia,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals,	—	2	2	7	13	20	—	1	1	9	1	10	1	—	1	26	19	45	54	43	97

13. — *Duration of Mental Disease and its Treatment in Patients recovered or died.*

	FIRST ADMITTED TO ANY HOSPITAL.						ALL OTHER ADMISSIONS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Recoveries: —												
Under 1 month, .	13	7	20	—	1	1	—	—	—	—	—	—
From 1 to 3 months, .	1	5	6	10	7	17	8	—	—	—	—	—
3 to 6 months, .	1	2	3	5	4	9	5	3	11	1	—	1
6 to 12 months, .	1	—	1	1	1	2	3	2	5	2	1	4
1 to 2 years, .	—	—	—	—	—	—	—	1	1	1	—	1
2 to 5 years, .	—	—	—	—	1	1	—	1	1	2	1	1
5 to 10 years, .	—	—	—	—	—	—	—	—	—	—	1	1
10 to 20 years, .	—	—	—	—	—	—	—	—	—	—	—	—
Over 20 years, .	—	—	—	—	—	—	—	—	—	—	—	—
Totals, .	16	14	30	16	14	30	16	14	30	6	2	8
Unknown, .	—	—	—	—	—	—	—	—	—	—	—	—
Totals, .	16	14	30	16	14	30	16	14	30	6	2	8
Average of known cases (in months),	.87	1.1	1.0	2.7	6.3	4.4	3.6	7.4	4.8	13.5	48.0	22.8
										8.4	44.5	17.4

[illegible]

